

Horus IDL Java Binding Reference

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Horus IDL Java Binding Reference

The `HxCorba` module contains all IDL interfaces related to Horus C++ objects.

Entry points `HxCorba`

- **ConstructorOperations** (p. 30) (and all factories)
- **GlobalOpsOperations** (p. 34), **UserOpsOperations** (p. 111)

Data representations

- **Blob2dOperations** (p. 24)
 - **BSplineCurveOperations** (p. 26), **SampledBSplineCurveOperations** (p. 101),
 - **BSplineFactoryOperations** (p. 28), **BSplineType** (p. 133)
 - **HistogramOperations** (p. 71)
 - **HistogramDataOperations** (p. 66), **HistogramFactoryOperations** (p. 69)
 - **HistogramMode** (p. 147)
 - **ImageRepOperations** (p. 80)
 - **ImageDataOperations** (p. 73), **ImageFactoryOperations** (p. 75)
 - **ImageException** (p. 135), **ImageSignature** (p. 136), **ResultPrecision** (p. 151), **PixelT** (p. 148)
 - **ImageSeqOperations** (p. 85)
 - **ImageSeqDisplayerOperations** (p. 82), **ImageSeqFactoryOperations** (p. 84)
 - **NJetOperations** (p. 90)
 - **NJetFactoryOperations** (p. 90)
 - **Polyline2dOperations** (p. 95)
 - **Polyline2dDataOperations** (p. 94), **PolylineFactoryOperations** (p. 96)
 - **PointR2** (p. 149)
 - **SFOperations** (p. 104)
 - **SFFactoryOperations** (p. 103)
 - **VxSegmentOperations** (p. 123), **VxSegmentationOperations** (p. 121)
 - **VxSegmentationFactoryOperations** (p. 120)
 - **VxTimeSpan** (p. 158)
 - **VxStructureOperations** (p. 127)
 - **VxStructureFactoryOperations** (p. 126)
 - **VxStructureEval** (p. 157)
-

Basic things

- **ColorModel** (p. 140)
- **GeoIntType** (p. 145)
- **GeoTransType** (p. 146)
- **MatrixOperations** (p. 89), **MatrixFactoryOperations** (p. 86)
- **PixValue** (p. 160)
- **Point** (p. 150)
- **Sizes** (p. 153)
- **TagListOperations** (p. 107), **TagListFactoryOperations** (p. 107)

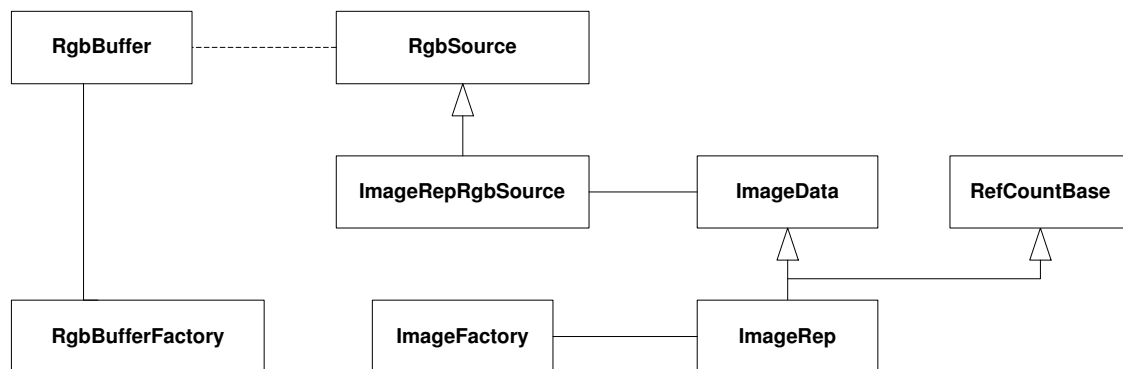
RGB data transfer

Figure 1: RGB data transfer

- **RgbBufferOperations** (p. 99), **RgbBufferFactoryOperations** (p. 98)
- **RgbSourceOperations** (p. 100), **ImageRepRgbSourceOperations** (p. 78)

Video

- **TVCaptureOperations** (p. 109)
- **VideoPlayerOperations** (p. 114), **VideoPlayerFactoryOperations** (p. 113)
- **VideoWriterOperations** (p. 116), **VideoWriterFactoryOperations** (p. 115)

Database

- **DatabaseOperations** (p. 33)
- **DatabaseSessionOperations** (p. 31)
 - **DatabaseException** (p. 134), **SegmentQueryResult** (p. 152)
- **StoreSessionOperations** (p. 106)
 - **VxSegmentBuilderOperations** (p. 122), **VxSegmentationBuilderOperations** (p. 119)
- **UpdateSessionOperations** (p. 110)
 - **VxMutableSegmentOperations** (p. 117), **VxMutableSegmentationOperations** (p. 117)
- **XMLSessionOperations** (p. 131)
 - **DBDataTag** (p. 143), **DBData** (p. 159)

- [HistogramSessionOperations](#) (p. 70)
- [VxSimilaritySessionOperations](#) (p. 126)
 - [VxSimilarityBuilderOperations](#) (p. 125)
- [FullSessionOperations](#) (p. 34)

Misc

- [AppOperations](#) (p. 23)
- [ConfigureOperations](#) (p. 29), [ObjectUsageOperations](#) (p. 93)
- [RefCountBaseOperations](#) (p. 97)
- [RegistryOperations](#) (p. 97)
- [TestOperations](#) (p. 109)
- [WebImageFactoryOperations](#) (p. 131)

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Chapter 1

Namespaces

1.1 Package HxCorba

Interfaces

- **interface App**
An interface for applications to exchange data objects.
 - **interface AppOperations**
An interface for applications to exchange data objects.
 - **interface Blob2d**
A blob in 2D (HxBlob2d in C++).
 - **interface Blob2dOperations**
A blob in 2D (HxBlob2d in C++).
 - **interface BSplineCurve**
BSplineCurve (HxBSplineCurve in C++).
 - **interface BSplineCurveOperations**
BSplineCurve (p. ??) (HxBSplineCurve in C++).
 - **interface BSplineFactory**
A factory for BSplineCurve (p. ??)'s.
 - **interface BSplineFactoryOperations**
A factory for BSplineCurve (p. ??)'s.
 - **interface Configure**
Interface to configure the Horus server.
 - **interface ConfigureOperations**
Interface to configure the Horus server.
-

- **interface Constructor**
Construct Horus related CORBA objects.
- **interface ConstructorOperations**
Construct Horus related CORBA objects.
- **interface Database**
An interface to a database.
- **interface DatabaseOperations**
An interface to a database.
- **interface DatabaseSession**
A database session.
- **interface DatabaseSessionOperations**
A database session.
- **interface FullSession**
A full featured database session.
- **interface FullSessionOperations**
A full featured database session.
- **interface GlobalOps**
Global operations.
- **interface GlobalOpsOperations**
Global operations.
- **interface Histogram**
A histogram (HxHistogram in C++).
- **interface HistogramData**
All histogram data related functionality.
- **interface HistogramDataOperations**
All histogram data related functionality.
- **interface HistogramFactory**
A factory for Histogram (p. ??)'s.
- **interface HistogramFactoryOperations**
A factory for Histogram (p. ??)'s.
- **interface HistogramOperations**
A histogram (HxHistogram in C++).
- **interface HistogramSession**
A database session for Histogram (p. ??)'s.

- **interface HistogramSessionOperations**
A database session for Histogram (p. ??)'s.
- **interface ImageData**
All image data related functionality.
- **interface ImageDataOperations**
All image data related functionality.
- **interface ImageFactory**
A factory for ImageRep (p. ??)'s.
- **interface ImageFactoryOperations**
A factory for ImageRep (p. ??)'s.
- **interface ImageRep**
An image representation (HxImageRep in C++).
- **interface ImageRepOperations**
An image representation (HxImageRep in C++).
- **interface ImageRepRgbSource**
An RgbSource (p. ??) for display of ImageRep (p. ??)'s.
- **interface ImageRepRgbSourceOperations**
An RgbSource (p. ??) for display of ImageRep (p. ??)'s.
- **interface ImageSeq**
An image sequence (HxImageSeq in C++).
- **interface ImageSeqDisplayer**
Deprecated.
- **interface ImageSeqDisplayerOperations**
Deprecated.
- **interface ImageSeqFactory**
A factory for ImageSeq (p. ??)'s.
- **interface ImageSeqFactoryOperations**
A factory for ImageSeq (p. ??)'s.
- **interface ImageSeqOperations**
An image sequence (HxImageSeq in C++).
- **interface Matrix**
A matrix (HxMatrix in C++).
- **interface MatrixFactory**

A factory for Matrix (p. ??)'s.

- **interface MatrixFactoryOperations**

A factory for Matrix (p. ??)'s.

- **interface MatrixOperations**

A matrix (HxMatrix in C++).

- **interface NJet**

An Njet (HxNJet in C++).

- **interface NJetFactory**

A factory for NJet (p. ??)'s.

- **interface NJetFactoryOperations**

A factory for NJet (p. ??)'s.

- **interface NJetOperations**

An Njet (HxNJet in C++).

- **interface ObjectUsage**

Interface to configure object management in the Horus server.

- **interface ObjectUsageOperations**

Interface to configure object management in the Horus server.

- **interface Polyline2d**

A polyline in 2D (HxPolyline2d in C++).

- **interface Polyline2dData**

All polyline data related functionality.

- **interface Polyline2dDataOperations**

All polyline data related functionality.

- **interface Polyline2dOperations**

A polyline in 2D (HxPolyline2d in C++).

- **interface PolylineFactory**

A factory for Polyline2d (p. ??)'s.

- **interface PolylineFactoryOperations**

A factory for Polyline2d (p. ??)'s.

- **interface RefCountBase**

Base class for all reference counted objects.

- **interface RefCountBaseOperations**

Base class for all reference counted objects.

- **interface Registry**
The registry (HxRegistry in C++).
- **interface RegistryOperations**
The registry (HxRegistry in C++).
- **interface RgbBuffer**
A buffer for transfer of RGB data.
- **interface RgbBufferFactory**
Factory for RgbBuffer (p. ??)'s.
- **interface RgbBufferFactoryOperations**
Factory for RgbBuffer (p. ??)'s.
- **interface RgbBufferOperations**
A buffer for transfer of RGB data.
- **interface RgbSource**
Base class for objects that deliver Rgb data.
- **interface RgbSourceOperations**
Base class for objects that deliver Rgb data.
- **interface SampledBSplineCurve**
A sampled BSplineCurve (p. ??) (HxSampledBSplineCurve in C++).
- **interface SampledBSplineCurveOperations**
A sampled BSplineCurve (p. ??) (HxSampledBSplineCurve in C++).
- **interface SF**
A structuring function (HxSF in C++).
- **interface SFFactory**
A factory for SF (p. ??)'s.
- **interface SFFactoryOperations**
A factory for SF (p. ??)'s.
- **interface SFOperations**
A structuring function (HxSF in C++).
- **interface StoreSession**
A database session for storing data.
- **interface StoreSessionOperations**
A database session for storing data.
- **interface TagList**
A list of tags (HxTagList in C++).

- **interface TagListFactory**
Factory for TagList (p. ??)'s.
- **interface TagListFactoryOperations**
Factory for TagList (p. ??)'s.
- **interface TagListOperations**
A list of tags (HxTagList in C++).
- **interface Test**
A testing interface.
- **interface TestOperations**
A testing interface.
- **interface TVCapture**
A TV capture device.
- **interface TVCaptureOperations**
A TV capture device.
- **interface UpdateSession**
A database session for modifying data.
- **interface UpdateSessionOperations**
A database session for modifying data.
- **interface UserOps**
Global operations defined by the user.
- **interface UserOpsOperations**
Global operations defined by the user.
- **interface VideoPlayer**
A video player device.
- **interface VideoPlayerFactory**
A factory for VideoPlayer (p. ??)'s.
- **interface VideoPlayerFactoryOperations**
A factory for VideoPlayer (p. ??)'s.
- **interface VideoPlayerOperations**
A video player device.
- **interface VideoWriter**
A video file writer device.
- **interface VideoWriterFactory**

A factory for VideoWriter (p. ??)'s.

- **interface VideoWriterFactoryOperations**
A factory for VideoWriter (p. ??)'s.
- **interface VideoWriterOperations**
A video file writer device.
- **interface VxMutableSegment**
A VxSegment (p. ??) builder and modifier.
- **interface VxMutableSegmentation**
A VxSegmentation (p. ??) builder and modifier.
- **interface VxMutableSegmentationOperations**
A VxSegmentation (p. ??) builder and modifier.
- **interface VxMutableSegmentOperations**
A VxSegment (p. ??) builder and modifier.
- **interface VxSegment**
A video segment (VxSegment in C++).
- **interface VxSegmentation**
A video segmentation.
- **interface VxSegmentationBuilder**
A VxSegmentation (p. ??) builder.
- **interface VxSegmentationBuilderOperations**
A VxSegmentation (p. ??) builder.
- **interface VxSegmentationFactory**
A factory for VxSegmentation (p. ??)'s.
- **interface VxSegmentationFactoryOperations**
A factory for VxSegmentation (p. ??)'s.
- **interface VxSegmentationOperations**
A video segmentation.
- **interface VxSegmentBuilder**
A VxSegment (p. ??) builder.
- **interface VxSegmentBuilderOperations**
A VxSegment (p. ??) builder.
- **interface VxSegmentOperations**
A video segment (VxSegment (p. ??) in C++).

- **interface VxSimilarityBuilder**
A VxSimilarity builder.
- **interface VxSimilarityBuilderOperations**
A VxSimilarity builder.
- **interface VxSimilaritySession**
A database session for VxSimilarity's.
- **interface VxSimilaritySessionOperations**
A database session for VxSimilarity's.
- **interface VxStructure**
A video structure (VxStructure in C++).
- **interface VxStructureFactory**
A factory for VxStructure (p. ??)'s.
- **interface VxStructureFactoryOperations**
A factory for VxStructure (p. ??)'s.
- **interface VxStructureOperations**
A video structure (VxStructure (p. ??) in C++).
- **interface WebImageFactory**
A factory for ImageData (p. ??)'s from web images.
- **interface WebImageFactoryOperations**
A factory for ImageData (p. ??)'s from web images.
- **interface XMLSession**
An XML database session.
- **interface XMLSessionOperations**
An XML database session.

Classes

- **class _AppStub**
- **class _Blob2dStub**
- **class _BSplineCurveStub**
- **class _BSplineFactoryStub**
- **class _ConfigureStub**
- **class _ConstructorStub**
- **class _DatabaseSessionStub**
- **class _DatabaseStub**
- **class _FullSessionStub**
- **class _GlobalOpsStub**

- class `_HistogramDataStub`
- class `_HistogramFactoryStub`
- class `_HistogramSessionStub`
- class `_HistogramStub`
- class `_ImageDataStub`
- class `_ImageFactoryStub`
- class `_ImageRepRgbSourceStub`
- class `_ImageRepStub`
- class `_ImageSeqDisplayerStub`
- class `_ImageSeqFactoryStub`
- class `_ImageSeqStub`
- class `_MatrixFactoryStub`
- class `_MatrixStub`
- class `_NJetFactoryStub`
- class `_NJetStub`
- class `_ObjectUsageStub`
- class `_Polyline2dDataStub`
- class `_Polyline2dStub`
- class `_PolylineFactoryStub`
- class `_RefCountBaseStub`
- class `_RegistryStub`
- class `_RgbBufferFactoryStub`
- class `_RgbBufferStub`
- class `_RgbSourceStub`
- class `_SampledBsplineCurveStub`
- class `_SFFactoryStub`
- class `_SFStub`
- class `_StoreSessionStub`
- class `_TagListFactoryStub`
- class `_TagListStub`
- class `_TestStub`
- class `_TVCaptureStub`
- class `_UpdateSessionStub`
- class `_UserOpsStub`
- class `_VideoPlayerFactoryStub`
- class `_VideoPlayerStub`
- class `_VideoWriterFactoryStub`
- class `_VideoWriterStub`
- class `_VxMutableSegmentationStub`
- class `_VxMutableSegmentStub`
- class `_VxSegmentationBuilderStub`
- class `_VxSegmentationFactoryStub`
- class `_VxSegmentationStub`
- class `_VxSegmentBuilderStub`
- class `_VxSegmentStub`
- class `_VxSimilarityBuilderStub`
- class `_VxSimilaritySessionStub`
- class `_VxStructureFactoryStub`
- class `_VxStructureStub`
- class `_WebImageFactoryStub`

- class `_XMLSessionStub`
- class `AapFeatures`
- class `AapFeaturesHelper`
- class `AapFeaturesHolder`
- class `AppHelper`
- class `AppHolder`
- class `AppPOA`
- class `AppPOATie`
- class `BinDataSequenceHelper`
- class `BinDataSequenceHolder`
- class `Blob2dHelper`
- class `Blob2dHolder`
- class `Blob2dPOA`
- class `Blob2dPOATie`
- class `Blob2dSetHelper`
- class `Blob2dSetHolder`
- class `BSplineCurveHelper`
- class `BSplineCurveHolder`
- class `BSplineCurvePOA`
- class `BSplineCurvePOATie`
- class `BSplineFactoryHelper`
- class `BSplineFactoryHolder`
- class `BSplineFactoryPOA`
- class `BSplineFactoryPOATie`
- class `BSplineType`

BSpline type.

- class `BSplineTypeHelper`
- class `BSplineTypeHolder`
- class `Color`
- class `ColorHelper`
- class `ColorHolder`
- class `ColorModel`

`Color` (p. 140) *model (HxColorModel in C++).*

- class `ColorModelHelper`
- class `ColorModelHolder`
- class `Complex`

Complex value (HxComplex in C++).

- class `ComplexHelper`
- class `ComplexHolder`
- class `ConfigureHelper`
- class `ConfigureHolder`
- class `ConfigurePOA`
- class `ConfigurePOATie`
- class `ConstructorHelper`
- class `ConstructorHolder`
- class `ConstructorPOA`
- class `ConstructorPOATie`

- class ContourCodeHelper
- class ContourCodeSeqHelper
- class ContourCodeSeqHolder
- class DatabaseException

An exception in the database.

- class DatabaseExceptionHelper
- class DatabaseExceptionHandler
- class DatabaseHelper
- class DatabaseHolder
- class DatabasePOA
- class DatabasePOATie
- class DatabaseSessionHelper
- class DatabaseSessionHolder
- class DatabaseSessionPOA
- class DatabaseSessionPOATie
- class DBData

XML database data.

- class DBDataHelper
- class DBDataHolder
- class DBDataRowHelper
- class DBDataRowHolder
- class DBDataRowSeqHelper
- class DBDataRowSeqHolder
- class DBDataTag

XML database data tag.

- class DBDataTagHelper
- class DBDataTagHolder
- class DBDataTagSeqHelper
- class DBDataTagSeqHolder
- class DoubleSeqHelper
- class DoubleSeqHolder
- class DoubleSeqSeqHelper
- class DoubleSeqSeqHolder
- class FloatSeqHelper
- class FloatSeqHolder
- class FullSessionHelper
- class FullSessionHolder
- class FullSessionPOA
- class FullSessionPOATie
- class GeoIntType

Geometric interpolation type.

- class GeoIntTypeHelper
- class GeoIntTypeHolder
- class GeoTransType

Geometric transformation type.

- class GeoTransTypeHelper
- class GeoTransTypeHolder
- class GlobalOpsHelper
- class GlobalOpsHolder
- class GlobalOpsPOA
- class GlobalOpsPOATie
- class HistogramDataHelper
- class HistogramDataHolder
- class HistogramDataPOA
- class HistogramDataPOATie
- class HistogramFactoryHelper
- class HistogramFactoryHolder
- class HistogramFactoryPOA
- class HistogramFactoryPOATie
- class HistogramHelper
- class HistogramHolder
- class HistogramListHelper
- class HistogramListHolder
- class HistogramMode

HistogramMode.

- class HistogramModeHelper
- class HistogramModeHolder
- class HistogramModeSeqHelper
- class HistogramModeSeqHolder
- class HistogramPOA
- class HistogramPOATie
- class HistogramSessionHelper
- class HistogramSessionHolder
- class HistogramSessionPOA
- class HistogramSessionPOATie
- class ImageDataHelper
- class ImageDataHolder
- class ImageDataPOA
- class ImageDataPOATie
- class ImageException

An exception in an ImageRep (p. ??) operation.

- class ImageExceptionHelper
- class ImageExceptionHolder
- class ImageFactoryHelper
- class ImageFactoryHolder
- class ImageFactoryPOA
- class ImageFactoryPOATie
- class ImageListHelper
- class ImageListHolder
- class ImageRepHelper
- class ImageRepHolder
- class ImageRepPOA
- class ImageRepPOATie

- class ImageRepRgbSourceHelper
- class ImageRepRgbSourceHolder
- class ImageRepRgbSourcePOA
- class ImageRepRgbSourcePOATie
- class ImageSeqDisplayerHelper
- class ImageSeqDisplayerHolder
- class ImageSeqDisplayerPOA
- class ImageSeqDisplayerPOATie
- class ImageSeqFactoryHelper
- class ImageSeqFactoryHolder
- class ImageSeqFactoryPOA
- class ImageSeqFactoryPOATie
- class ImageSeqHelper
- class ImageSeqHolder
- class ImageSeqPOA
- class ImageSeqPOATie
- class ImageSignature

Image signature (HxImageSignature in C++).

- class ImageSignatureHelper
- class ImageSignatureHolder
- class LongSeqHelper
- class LongSeqHolder
- class MatrixFactoryHelper
- class MatrixFactoryHolder
- class MatrixFactoryPOA
- class MatrixFactoryPOATie
- class MatrixHelper
- class MatrixHolder
- class MatrixPOA
- class MatrixPOATie
- class MyMessage
- class MyMessageHelper
- class MyMessageHolder
- class NameListHelper
- class NameListHolder
- class NJetFactoryHelper
- class NJetFactoryHolder
- class NJetFactoryPOA
- class NJetFactoryPOATie
- class NJetHelper
- class NJetHolder
- class NJetPOA
- class NJetPOATie
- class ObjectUsageHelper
- class ObjectUsageHolder
- class ObjectUsagePOA
- class ObjectUsagePOATie
- class OctetSeqHelper
- class OctetSeqHolder

- class **PixelT**
Pixel type.

- class **PixelTHelper**
- class **PixelTHolder**
- class **PixValue**
A pixel value (HxValue in C++).

- class **PixValueHelper**
- class **PixValueHolder**
- class **PixValueTag**
Tag for type stored in PixValue (p. 160).

- class **PixValueTagHelper**
- class **PixValueTagHolder**
- class **Point**
A point in R3 (HxPoint in C++).

- class **PointHelper**
- class **PointHolder**
- class **PointR2**
A point in R2 (HxPointR2 in C++).

- class **PointR2Helper**
- class **PointR2Holder**
- class **PointR2SeqHelper**
- class **PointR2SeqHolder**
- class **Polyline2dDataHelper**
- class **Polyline2dDataHolder**
- class **Polyline2dDataPOA**
- class **Polyline2dDataPOATie**
- class **Polyline2dHelper**
- class **Polyline2dHolder**
- class **Polyline2dPOA**
- class **Polyline2dPOATie**
- class **PolylineFactoryHelper**
- class **PolylineFactoryHolder**
- class **PolylineFactoryPOA**
- class **PolylineFactoryPOATie**
- class **RefCountBaseHelper**
- class **RefCountBaseHolder**
- class **RefCountBasePOA**
- class **RefCountBasePOATie**
- class **RegistryHelper**
- class **RegistryHolder**
- class **RegistryPOA**
- class **RegistryPOATie**
- class **ResultPrecision**
Specification of precision in result value.

- class ResultPrecisionHelper
- class ResultPrecisionHolder
- class RgbBufferFactoryHelper
- class RgbBufferFactoryHolder
- class RgbBufferFactoryPOA
- class RgbBufferFactoryPOATie
- class RgbBufferHelper
- class RgbBufferHolder
- class RgbBufferPOA
- class RgbBufferPOATie
- class RgbSeqHelper
- class RgbSeqHolder
- class RgbSourceHelper
- class RgbSourceHolder
- class RgbSourcePOA
- class RgbSourcePOATie
- class SampledBSPlineCurveHelper
- class SampledBSPlineCurveHolder
- class SampledBSPlineCurvePOA
- class SampledBSPlineCurvePOATie
- class SegmentQueryResult

A segment as query result.

- class SegmentQueryResultHelper
- class SegmentQueryResultHolder
- class SegmentQueryResultSeqHelper
- class SegmentQueryResultSeqHolder
- class SFFactoryHelper
- class SFFactoryHolder
- class SFFactoryPOA
- class SFFactoryPOATie
- class SFHelper
- class SFHolder
- class SFPOA
- class SFPOATie
- class ShortSeqHelper
- class ShortSeqHolder
- class Sizes

Size specification in Z3 (HxSizes in C++).

- class SizesHelper
- class SizesHolder
- class StoreSessionHelper
- class StoreSessionHolder
- class StoreSessionPOA
- class StoreSessionPOATie
- class StringSeqHelper
- class StringSeqHolder
- class TagListFactoryHelper
- class TagListFactoryHolder

- class TagListFactoryPOA
- class TagListFactoryPOATie
- class TagListHelper
- class TagListHolder
- class TagListPOA
- class TagListPOATie
- class TestHelper
- class TestHolder
- class TestPOA
- class TestPOATie
- class TrecCameraT
- class TrecCameraTHelper
- class TrecCameraTHolder
- class TrecFaceT
- class TrecFaceTHelper
- class TrecFaceTHolder
- class TrecYesNoT
- class TrecYesNoTHelper
- class TrecYesNoTHolder
- class TVCaptureHelper
- class TVCaptureHolder
- class TVCapturePOA
- class TVCapturePOATie
- class UpdateSessionHelper
- class UpdateSessionHolder
- class UpdateSessionPOA
- class UpdateSessionPOATie
- class UserOpsHelper
- class UserOpsHolder
- class UserOpsPOA
- class UserOpsPOATie
- class Vec2D

Vector of 2 doubles (HxVec2Double in C++).

- class Vec2DHelper
- class Vec2DHolder
- class Vec2I

Vector of 2 integers (HxVec2Int in C++).

- class Vec2IHelper
- class Vec2IHolder
- class Vec3D

Vector of 3 doubles (HxVec3Double in C++).

- class Vec3DHelper
- class Vec3DHolder
- class Vec3I

Vector of 3 integers (HxVec3Int in C++).

- class Vec3IHelper

- class Vec3IHolder
- class VideoPlayerFactoryHelper
- class VideoPlayerFactoryHolder
- class VideoPlayerFactoryPOA
- class VideoPlayerFactoryPOATie
- class VideoPlayerHelper
- class VideoPlayerHolder
- class VideoPlayerPOA
- class VideoPlayerPOATie
- class VideoWriterFactoryHelper
- class VideoWriterFactoryHolder
- class VideoWriterFactoryPOA
- class VideoWriterFactoryPOATie
- class VideoWriterHelper
- class VideoWriterHolder
- class VideoWriterPOA
- class VideoWriterPOATie
- class VxMutableSegmentationHelper
- class VxMutableSegmentationHolder
- class VxMutableSegmentationPOA
- class VxMutableSegmentationPOATie
- class VxMutableSegmentHelper
- class VxMutableSegmentHolder
- class VxMutableSegmentPOA
- class VxMutableSegmentPOATie
- class VxSegmentationBuilderHelper
- class VxSegmentationBuilderHolder
- class VxSegmentationBuilderPOA
- class VxSegmentationBuilderPOATie
- class VxSegmentationFactoryHelper
- class VxSegmentationFactoryHolder
- class VxSegmentationFactoryPOA
- class VxSegmentationFactoryPOATie
- class VxSegmentationHelper
- class VxSegmentationHolder
- class VxSegmentationPOA
- class VxSegmentationPOATie
- class VxSegmentBuilderHelper
- class VxSegmentBuilderHolder
- class VxSegmentBuilderPOA
- class VxSegmentBuilderPOATie
- class VxSegmentHelper
- class VxSegmentHolder
- class VxSegmentPOA
- class VxSegmentPOATie
- class VxSegmentSeqHelper
- class VxSegmentSeqHolder
- class VxSimilarityBuilderHelper
- class VxSimilarityBuilderHolder
- class VxSimilarityBuilderPOA

- class VxSimilarityBuilderPOATie
- class VxSimilaritySessionHelper
- class VxSimilaritySessionHolder
- class VxSimilaritySessionPOA
- class VxSimilaritySessionPOATie
- class VxStructureEval

A video structure evaluation.

- class VxStructureEvalHelper
- class VxStructureEvalHolder
- class VxStructureFactoryHelper
- class VxStructureFactoryHolder
- class VxStructureFactoryPOA
- class VxStructureFactoryPOATie
- class VxStructureHelper
- class VxStructureHolder
- class VxStructurePOA
- class VxStructurePOATie
- class VxTimeSpan

A time span in a video.

- class VxTimeSpanHelper
- class VxTimeSpanHolder
- class VxTimeSpanSeqHelper
- class VxTimeSpanSeqHolder
- class WebImageFactoryHelper
- class WebImageFactoryHolder
- class WebImageFactoryPOA
- class WebImageFactoryPOATie
- class XMLSessionHelper
- class XMLSessionHolder
- class XMLSessionPOA
- class XMLSessionPOATie

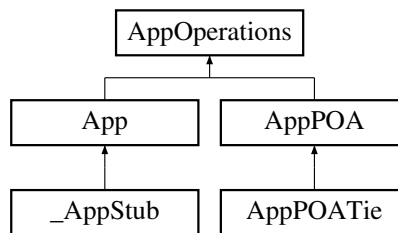
Chapter 2

Interfaces

2.1 AppOperations Interface Reference

An interface for applications to exchange data objects.

Inheritance diagram for AppOperations::



Public Methods

- void listObjectTypes (StringSeqHolder sl)
- void listObjects (String typeId, StringSeqHolder sl)
- org.omg.CORBA.Object getObject (String typeId, String name)
- boolean putObject (String typeId, String name, org.omg.CORBA.Object obj)
- void listImages (StringSeqHolder sl)
- ImageRep getImage (String name)
- boolean putImage (String name, ImageRep img)

2.1.1 Detailed Description

An interface for applications to exchange data objects.

2.1.2 Member Function Documentation

2.1.2.1 void AppOperations::listObjectTypes (StringSeqHolder *sl*)

Reimplemented in _AppStub (p. ??), and AppPOATie (p. ??).

2.1.2.2 void AppOperations::listObjects (String *typeId*, StringSeqHolder *sl*)

Reimplemented in _AppStub (p. ??), and AppPOATie (p. ??).

2.1.2.3 org.omg.CORBA.Object AppOperations::getObject (String *typeId*, String *name*)

Reimplemented in _AppStub (p. ??), and AppPOATie (p. ??).

2.1.2.4 boolean AppOperations::putObject (String *typeId*, String *name*, org.omg.CORBA.Object *obj*)

Reimplemented in _AppStub (p. ??), and AppPOATie (p. ??).

2.1.2.5 void AppOperations::listImages (StringSeqHolder *sl*)

Reimplemented in _AppStub (p. ??), and AppPOATie (p. ??).

2.1.2.6 ImageRep AppOperations::getImage (String *name*)

Reimplemented in _AppStub (p. ??), and AppPOATie (p. ??).

2.1.2.7 boolean AppOperations::putImage (String *name*, ImageRep *img*)

Reimplemented in _AppStub (p. ??), and AppPOATie (p. ??).

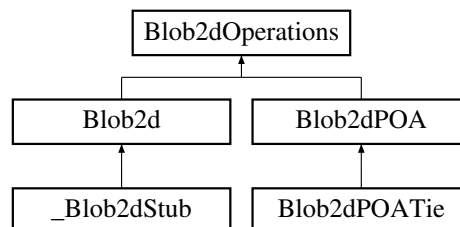
The documentation for this interface was generated from the following file:

- AppOperations.java

2.2 Blob2dOperations Interface Reference

A blob in 2D (HxBlob2d in C++).

Inheritance diagram for Blob2dOperations::



Public Methods

- int ident ()
- ImageRep getInputImage ()

- **ImageRep** getLabeledImage ()
- **int** getLabel ()
- **int** getContourX ()
- **int** getContourY ()
- **int** getContourLength ()
- **int[]** getContourCodes ()
- **void** fillRgb (RgbBuffer buf)
- **PixValue** getFeature (String name)

2.2.1 Detailed Description

A blob in 2D (HxBlob2d in C++).

2.2.2 Member Function Documentation

2.2.2.1 **int** Blob2dOperations::ident ()

Reimplemented in `_Blob2dStub` (p. ??), and `Blob2dPOATie` (p. ??).

2.2.2.2 **ImageRep** Blob2dOperations::getInputImage ()

Reimplemented in `_Blob2dStub` (p. ??), and `Blob2dPOATie` (p. ??).

2.2.2.3 **ImageRep** Blob2dOperations::getLabeledImage ()

Reimplemented in `_Blob2dStub` (p. ??), and `Blob2dPOATie` (p. ??).

2.2.2.4 **int** Blob2dOperations::getLabel ()

Reimplemented in `_Blob2dStub` (p. ??), and `Blob2dPOATie` (p. ??).

2.2.2.5 **int** Blob2dOperations::getContourX ()

Reimplemented in `_Blob2dStub` (p. ??), and `Blob2dPOATie` (p. ??).

2.2.2.6 **int** Blob2dOperations::getContourY ()

Reimplemented in `_Blob2dStub` (p. ??), and `Blob2dPOATie` (p. ??).

2.2.2.7 **int** Blob2dOperations::getContourLength ()

Reimplemented in `_Blob2dStub` (p. ??), and `Blob2dPOATie` (p. ??).

2.2.2.8 **int []** Blob2dOperations::getContourCodes ()

Reimplemented in `_Blob2dStub` (p. ??), and `Blob2dPOATie` (p. ??).

2.2.2.9 void Blob2dOperations::fillRgb (RgbBuffer *buf*)

Reimplemented in `_Blob2dStub` (p. ??), and `Blob2dPOATie` (p. ??).

2.2.2.10 PixValue Blob2dOperations::getFeature (String *name*)

Reimplemented in `_Blob2dStub` (p. ??), and `Blob2dPOATie` (p. ??).

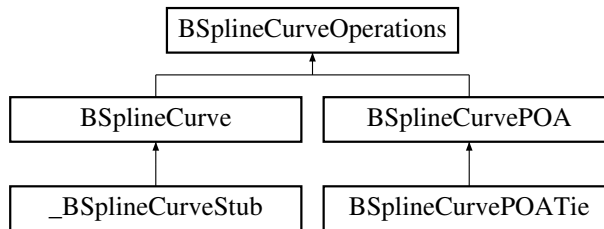
The documentation for this interface was generated from the following file:

- `Blob2dOperations.java`

2.3 BSplineCurveOperations Interface Reference

`BSplineCurve` (p. ??) (`HxBSplineCurve` in C++).

Inheritance diagram for `BSplineCurveOperations`:



Public Methods

- `BSplineType curveType ()`
- `int degree ()`
- `double minT ()`
- `double maxT ()`
- `PointR2 C (double t)`
- `Polyline2d sampleC (int np)`
- `double length (int np)`
- `Polyline2d controlP ()`
- `PointR2 center ()`
- `int numP ()`
- `PointR2 P (int i)`
- `PointR2[] allP ()`

2.3.1 Detailed Description

`BSplineCurve` (p. ??) (`HxBSplineCurve` in C++).

2.3.2 Member Function Documentation

2.3.2.1 BSplineType BSplineCurveOperations::curveType ()

Reimplemented in `_BSplineCurveStub` (p. ??), and `BSplineCurvePOATie` (p. ??).

2.3.2.2 int BSplineCurveOperations::degree ()

Reimplemented in `_BSplineCurveStub` (p. ??), and `BSplineCurvePOATie` (p. ??).

2.3.2.3 double BSplineCurveOperations::minT ()

Reimplemented in `_BSplineCurveStub` (p. ??), and `BSplineCurvePOATie` (p. ??).

2.3.2.4 double BSplineCurveOperations::maxT ()

Reimplemented in `_BSplineCurveStub` (p. ??), and `BSplineCurvePOATie` (p. ??).

2.3.2.5 PointR2 BSplineCurveOperations::C (double *t*)

Reimplemented in `_BSplineCurveStub` (p. ??), and `BSplineCurvePOATie` (p. ??).

2.3.2.6 Polyline2d BSplineCurveOperations::sampleC (int *np*)

Reimplemented in `_BSplineCurveStub` (p. ??), and `BSplineCurvePOATie` (p. ??).

2.3.2.7 double BSplineCurveOperations::length (int *np*)

Reimplemented in `_BSplineCurveStub` (p. ??), and `BSplineCurvePOATie` (p. ??).

2.3.2.8 Polyline2d BSplineCurveOperations::controlP ()

Reimplemented in `_BSplineCurveStub` (p. ??), and `BSplineCurvePOATie` (p. ??).

2.3.2.9 PointR2 BSplineCurveOperations::center ()

Reimplemented in `_BSplineCurveStub` (p. ??), and `BSplineCurvePOATie` (p. ??).

2.3.2.10 int BSplineCurveOperations::numP ()

Reimplemented in `_BSplineCurveStub` (p. ??), and `BSplineCurvePOATie` (p. ??).

2.3.2.11 PointR2 BSplineCurveOperations::P (int *i*)

Reimplemented in `_BSplineCurveStub` (p. ??), and `BSplineCurvePOATie` (p. ??).

2.3.2.12 PointR2 [] BSplineCurveOperations::allP ()

Reimplemented in `_BSplineCurveStub` (p. ??), and `BSplineCurvePOATie` (p. ??).

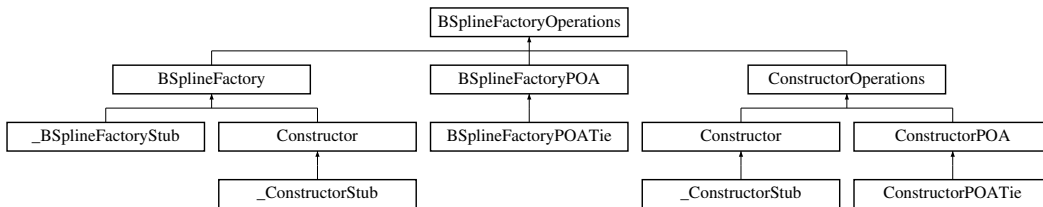
The documentation for this interface was generated from the following file:

- `BSplineCurveOperations.java`

2.4 BSplineFactoryOperations Interface Reference

A factory for `BSplineCurve` (p. ??)'s.

Inheritance diagram for `BSplineFactoryOperations`:



Public Methods

- `BSplineCurve` `makeUniformBSpline` (`Polyline2d cp`, `int degree`)
- `BSplineCurve` `makeInterpolatingBSpline` (`Polyline2d cp`)
- `SampledBSplineCurve` `makeUniformSampledBSpline` (`Polyline2d cp`, `int degree`, `double distance`)
- `SampledBSplineCurve` `makeInterpolatingSampledBSpline` (`Polyline2d cp`, `double distance`)

2.4.1 Detailed Description

A factory for `BSplineCurve` (p. ??)'s.

2.4.2 Member Function Documentation

2.4.2.1 `BSplineCurve` `BSplineFactoryOperations::makeUniformBSpline` (`Polyline2d cp`, `int degree`)

Reimplemented in `_BSplineFactoryStub` (p. ??), `_ConstructorStub` (p. ??), `BSplineFactoryPOATie` (p. ??), and `ConstructorPOATie` (p. ??).

2.4.2.2 `BSplineCurve` `BSplineFactoryOperations::makeInterpolatingBSpline` (`Polyline2d cp`)

Reimplemented in `_BSplineFactoryStub` (p. ??), `_ConstructorStub` (p. ??), `BSplineFactoryPOATie` (p. ??), and `ConstructorPOATie` (p. ??).

2.4.2.3 SampledBSPlineCurve BSplineFactoryOperations::makeUniformSampledBSPline (Polyline2d *cp*, int *degree*, double *distance*)

Reimplemented in `_BSplineFactoryStub` (p. ??), `_ConstructorStub` (p. ??), `BSplineFactoryPOATie` (p. ??), and `ConstructorPOATie` (p. ??).

2.4.2.4 SampledBSPlineCurve BSplineFactoryOperations::makeInterpolatingSampledBSPline (Polyline2d *cp*, double *distance*)

Reimplemented in `_BSplineFactoryStub` (p. ??), `_ConstructorStub` (p. ??), `BSplineFactoryPOATie` (p. ??), and `ConstructorPOATie` (p. ??).

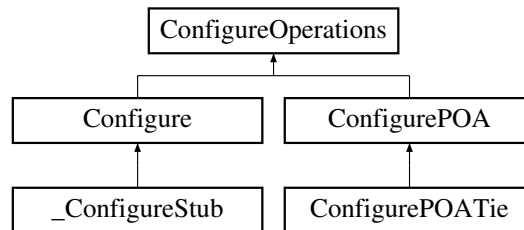
The documentation for this interface was generated from the following file:

- `BSplineFactoryOperations.java`

2.5 ConfigureOperations Interface Reference

Interface to configure the Horus server.

Inheritance diagram for `ConfigureOperations::`



Public Methods

- `void shutdown ()`
- `ObjectUsage getDefaultObjectUsage ()`
- `ObjectUsage getObjectUsage (String name)`
- `String[] listObjectUsages ()`

2.5.1 Detailed Description

Interface to configure the Horus server.

2.5.2 Member Function Documentation

2.5.2.1 void ConfigureOperations::shutdown ()

Reimplemented in `_ConfigureStub` (p. ??), and `ConfigurePOATie` (p. ??).

2.5.2.2 ObjectUsage ConfigureOperations::getDefaultObjectUsage ()

Reimplemented in `_ConfigureStub` (p. ??), and `ConfigurePOATie` (p. ??).

2.5.2.3 ObjectUsage ConfigureOperations::getObjectUsage (String name)

Reimplemented in `_ConfigureStub` (p. ??), and `ConfigurePOATie` (p. ??).

2.5.2.4 String [] ConfigureOperations::listObjectUsages ()

Reimplemented in `_ConfigureStub` (p. ??), and `ConfigurePOATie` (p. ??).

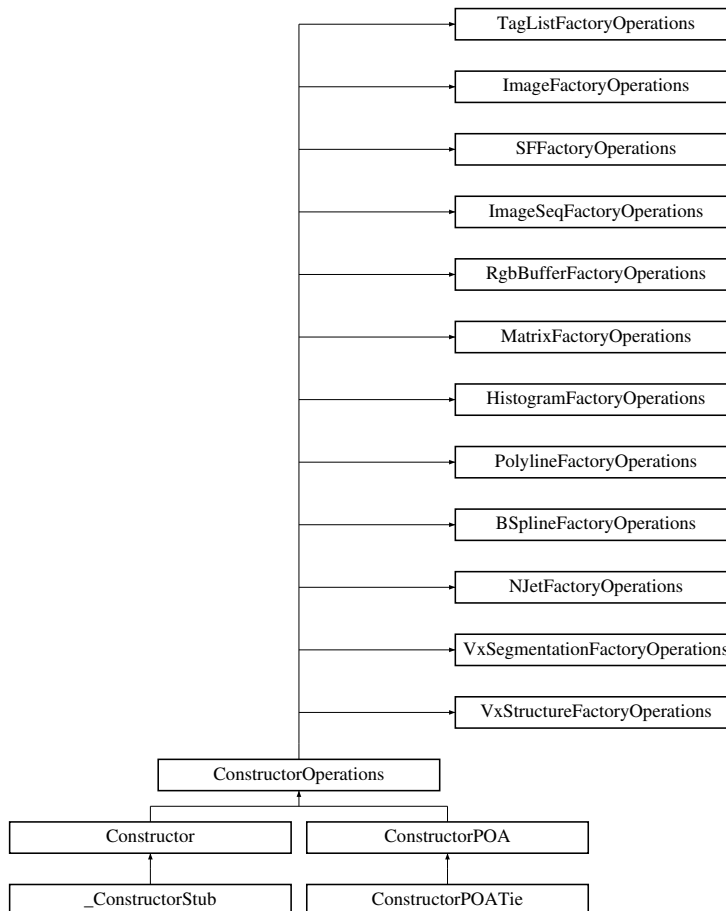
The documentation for this interface was generated from the following file:

- `ConfigureOperations.java`

2.6 ConstructorOperations Interface Reference

Construct Horus related CORBA objects.

Inheritance diagram for `ConstructorOperations`:



Public Methods

- org.omg.CORBA.Object getInitialObject (String name)
- String getLastError ()

2.6.1 Detailed Description

Construct Horus related CORBA objects.

2.6.2 Member Function Documentation

2.6.2.1 org.omg.CORBA.Object ConstructorOperations::getInitialObject (String name)

Reimplemented in `_ConstructorStub` (p. ??), and `ConstructorPOATie` (p. ??).

2.6.2.2 String ConstructorOperations::getLastError ()

Reimplemented in `_ConstructorStub` (p. ??), and `ConstructorPOATie` (p. ??).

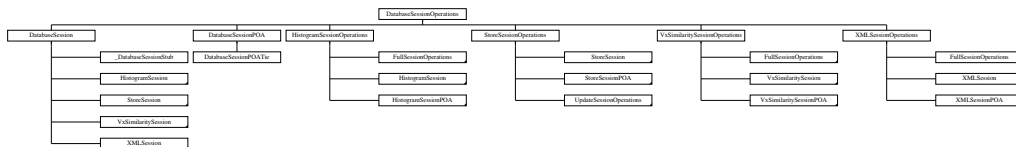
The documentation for this interface was generated from the following file:

- `ConstructorOperations.java`

2.7 DatabaseSessionOperations Interface Reference

A database session.

Inheritance diagram for DatabaseSessionOperations::



Public Methods

- String[] listVideos ()
- String[] listSegmentations (String videoName)
- VxSegmentation getSegmentation (String videoName, String segName)
- VxSegment[] querySegments (String sqlQuery) throws DatabaseException
- String[] queryStrings (String sqlQuery) throws DatabaseException
- SegmentQueryResult[] queryMultipleSegments (String sqlQuery) throws DatabaseException
- void close ()

2.7.1 Detailed Description

A database session.

2.7.2 Member Function Documentation

2.7.2.1 String [] DatabaseSessionOperations::listVideos ()

Reimplemented in `_DatabaseSessionStub` (p. ??), `_FullSessionStub` (p. ??), `_HistogramSessionStub` (p. ??), `_StoreSessionStub` (p. ??), `_UpdateSessionStub` (p. ??), `_VxSimilaritySessionStub` (p. ??), `_XMLSessionStub` (p. ??), `DatabaseSessionPOATie` (p. ??), `FullSessionPOATie` (p. ??), `HistogramSessionPOATie` (p. ??), `StoreSessionPOATie` (p. ??), `UpdateSessionPOATie` (p. ??), `VxSimilaritySessionPOATie` (p. ??), and `XMLSessionPOATie` (p. ??).

2.7.2.2 String [] DatabaseSessionOperations::listSegmentations (String *videoName*)

Reimplemented in `_DatabaseSessionStub` (p. ??), `_FullSessionStub` (p. ??), `_HistogramSessionStub` (p. ??), `_StoreSessionStub` (p. ??), `_UpdateSessionStub` (p. ??), `_VxSimilaritySessionStub` (p. ??), `_XMLSessionStub` (p. ??), `DatabaseSessionPOATie` (p. ??), `FullSessionPOATie` (p. ??), `HistogramSessionPOATie` (p. ??), `StoreSessionPOATie` (p. ??), `UpdateSessionPOATie` (p. ??), `VxSimilaritySessionPOATie` (p. ??), and `XMLSessionPOATie` (p. ??).

2.7.2.3 VxSegmentation DatabaseSessionOperations::getSegmentation (String *videoName*, String *segName*)

Reimplemented in `_DatabaseSessionStub` (p. ??), `_FullSessionStub` (p. ??), `_HistogramSessionStub` (p. ??), `_StoreSessionStub` (p. ??), `_UpdateSessionStub` (p. ??), `_VxSimilaritySessionStub` (p. ??), `_XMLSessionStub` (p. ??), `DatabaseSessionPOATie` (p. ??), `FullSessionPOATie` (p. ??), `HistogramSessionPOATie` (p. ??), `StoreSessionPOATie` (p. ??), `UpdateSessionPOATie` (p. ??), `VxSimilaritySessionPOATie` (p. ??), and `XMLSessionPOATie` (p. ??).

2.7.2.4 VxSegment [] DatabaseSessionOperations::querySegments (String *sqlQuery*)

Reimplemented in `_DatabaseSessionStub` (p. ??), `_FullSessionStub` (p. ??), `_HistogramSessionStub` (p. ??), `_StoreSessionStub` (p. ??), `_UpdateSessionStub` (p. ??), `_VxSimilaritySessionStub` (p. ??), `_XMLSessionStub` (p. ??), `DatabaseSessionPOATie` (p. ??), `FullSessionPOATie` (p. ??), `HistogramSessionPOATie` (p. ??), `StoreSessionPOATie` (p. ??), `UpdateSessionPOATie` (p. ??), `VxSimilaritySessionPOATie` (p. ??), and `XMLSessionPOATie` (p. ??).

2.7.2.5 String [] DatabaseSessionOperations::queryStrings (String *sqlQuery*)

Reimplemented in `_DatabaseSessionStub` (p. ??), `_FullSessionStub` (p. ??), `_HistogramSessionStub` (p. ??), `_StoreSessionStub` (p. ??), `_UpdateSessionStub` (p. ??), `_VxSimilaritySessionStub` (p. ??), `_XMLSessionStub` (p. ??), `DatabaseSessionPOATie` (p. ??), `FullSessionPOATie` (p. ??), `HistogramSessionPOATie` (p. ??), `StoreSessionPOATie` (p. ??), `UpdateSessionPOATie` (p. ??), `VxSimilaritySessionPOATie` (p. ??), and `XMLSessionPOATie` (p. ??).

2.7.2.6 SegmentQueryResult [] DatabaseSessionOperations::queryMultipleSegments (String *sqlQuery*)

Reimplemented in `_DatabaseSessionStub` (p. ??), `_FullSessionStub` (p. ??), `_HistogramSessionStub` (p. ??), `_StoreSessionStub` (p. ??), `_UpdateSessionStub` (p. ??), `_VxSimilaritySessionStub` (p. ??), `_XMLSessionStub` (p. ??), `DatabaseSessionPOATie` (p. ??), `FullSessionPOATie` (p. ??), `Histogram-`

SessionPOATie (p. ??), StoreSessionPOATie (p. ??), UpdateSessionPOATie (p. ??), VxSimilaritySessionPOATie (p. ??), and XMLSessionPOATie (p. ??).

2.7.2.7 void DatabaseSessionOperations::close ()

Reimplemented in _DatabaseSessionStub (p. ??), _FullSessionStub (p. ??), _HistogramSessionStub (p. ??), _StoreSessionStub (p. ??), _UpdateSessionStub (p. ??), _VxSimilaritySessionStub (p. ??), _XMLSessionStub (p. ??), DatabaseSessionPOATie (p. ??), FullSessionPOATie (p. ??), HistogramSessionPOATie (p. ??), StoreSessionPOATie (p. ??), UpdateSessionPOATie (p. ??), VxSimilaritySessionPOATie (p. ??), and XMLSessionPOATie (p. ??).

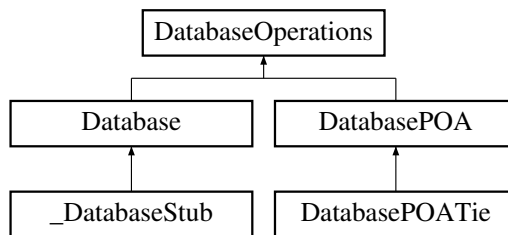
The documentation for this interface was generated from the following file:

- DatabaseSessionOperations.java

2.8 DatabaseOperations Interface Reference

An interface to a database.

Inheritance diagram for DatabaseOperations::



Public Methods

- DatabaseSession openSession (String username, String password) throws DatabaseException

2.8.1 Detailed Description

An interface to a database.

2.8.2 Member Function Documentation

2.8.2.1 DatabaseSession DatabaseOperations::openSession (String *username*, String *password*)

Reimplemented in _DatabaseStub (p. ??), and DatabasePOATie (p. ??).

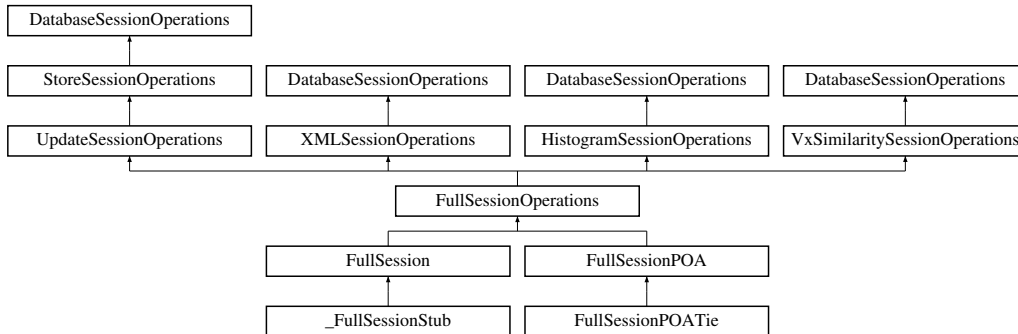
The documentation for this interface was generated from the following file:

- DatabaseOperations.java

2.9 FullSessionOperations Interface Reference

A full featured database session.

Inheritance diagram for FullSessionOperations::



2.9.1 Detailed Description

A full featured database session.

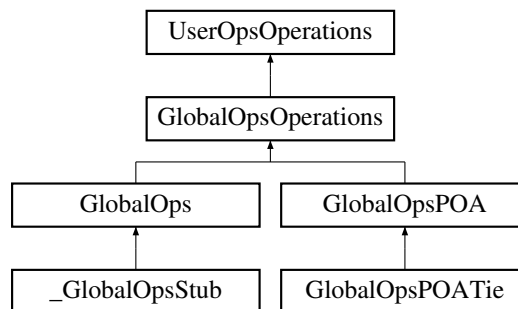
The documentation for this interface was generated from the following file:

- FullSessionOperations.java

2.10 GlobalOpsOperations Interface Reference

Global operations.

Inheritance diagram for GlobalOpsOperations::



Public Methods

- ImageRep HxAbs (ImageRep im)
- ImageRep HxCeil (ImageRep im)
- ImageRep HxComplement (ImageRep im)
- ImageRep HxExp (ImageRep im)
- ImageRep HxFloor (ImageRep im)

- ImageRep HxLog (ImageRep im)
- ImageRep HxLog10 (ImageRep im)
- ImageRep HxNegate (ImageRep im)
- ImageRep HxNorm1 (ImageRep im)
- ImageRep HxNorm2 (ImageRep im)
- ImageRep HxNormInf (ImageRep im)
- ImageRep HxProjectRange (ImageRep im, int dimension)
- ImageRep HxReciprocal (ImageRep im)
- ImageRep HxSqrt (ImageRep im)
- ImageRep HxRound (ImageRep im)
- ImageRep HxUnaryMax (ImageRep im)
- ImageRep HxUnaryMin (ImageRep im)
- ImageRep HxUnaryProduct (ImageRep im)
- ImageRep HxUnarySum (ImageRep im)
- ImageRep HxAcos (ImageRep im)
- ImageRep HxAsin (ImageRep im)
- ImageRep HxAtan (ImageRep im)
- ImageRep HxAtan2 (ImageRep im)
- ImageRep HxCos (ImageRep im)
- ImageRep HxCosh (ImageRep im)
- ImageRep HxSin (ImageRep im)
- ImageRep HxSinh (ImageRep im)
- ImageRep HxTan (ImageRep im)
- ImageRep HxTanh (ImageRep im)
- ImageRep HxArg (ImageRep im)
- ImageRep HxConjugate (ImageRep im)
- ImageRep HxAdd (ImageRep im1, ImageRep im2)
- ImageRep HxAddSat (ImageRep im1, ImageRep im2)
- ImageRep HxAnd (ImageRep im1, ImageRep im2)
- ImageRep HxCross (ImageRep im1, ImageRep im2)
- ImageRep HxDiv (ImageRep im1, ImageRep im2)
- ImageRep HxDot (ImageRep im1, ImageRep im2)
- ImageRep HxEqual (ImageRep im1, ImageRep im2)
- ImageRep HxGreaterEqual (ImageRep im1, ImageRep im2)
- ImageRep HxGreaterThan (ImageRep im1, ImageRep im2)
- ImageRep HxInf (ImageRep im1, ImageRep im2)
- ImageRep HxInverseProjectRange (ImageRep im1, int dimension, ImageRep im2)
- ImageRep HxLeftShift (ImageRep im1, ImageRep im2)
- ImageRep HxLessEqual (ImageRep im1, ImageRep im2)
- ImageRep HxLessThan (ImageRep im1, ImageRep im2)
- ImageRep HxMax (ImageRep im1, ImageRep im2)
- ImageRep HxMin (ImageRep im1, ImageRep im2)
- ImageRep HxMod (ImageRep im1, ImageRep im2)
- ImageRep HxMul (ImageRep im1, ImageRep im2)
- ImageRep HxNotEqual (ImageRep im1, ImageRep im2)
- ImageRep HxOr (ImageRep im1, ImageRep im2)
- ImageRep HxPow (ImageRep im1, ImageRep im2)
- ImageRep HxRightShift (ImageRep im1, ImageRep im2)
- ImageRep HxSub (ImageRep im1, ImageRep im2)
- ImageRep HxSubSat (ImageRep im1, ImageRep im2)

- **ImageRep HxSup (ImageRep im1, ImageRep im2)**
- **ImageRep HxXor (ImageRep im1, ImageRep im2)**
- **ImageRep HxAddVal (ImageRep im, PixValue val) throws ImageException**
- **ImageRep HxAndVal (ImageRep im, PixValue val)**
- **ImageRep HxCrossVal (ImageRep im, PixValue val)**
- **ImageRep HxDivVal (ImageRep im, PixValue val)**
- **ImageRep HxDotVal (ImageRep im, PixValue val)**
- **ImageRep HxEqualVal (ImageRep im, PixValue val)**
- **ImageRep HxGreaterEqualVal (ImageRep im, PixValue val)**
- **ImageRep HxGreaterThanVal (ImageRep im, PixValue val)**
- **ImageRep HxInfVal (ImageRep im, PixValue val)**
- **ImageRep HxLeftShiftVal (ImageRep im, PixValue val)**
- **ImageRep HxLessEqualVal (ImageRep im, PixValue val)**
- **ImageRep HxLessThanVal (ImageRep im, PixValue val)**
- **ImageRep HxMaxVal (ImageRep im, PixValue val)**
- **ImageRep HxMinVal (ImageRep im, PixValue val)**
- **ImageRep HxModVal (ImageRep im, PixValue val)**
- **ImageRep HxMulVal (ImageRep im, PixValue val)**
- **ImageRep HxNotEqualVal (ImageRep im, PixValue val)**
- **ImageRep HxOrVal (ImageRep im, PixValue val)**
- **ImageRep HxPowVal (ImageRep im, PixValue val)**
- **ImageRep HxRightShiftVal (ImageRep im, PixValue val)**
- **ImageRep HxSubVal (ImageRep im, PixValue val)**
- **ImageRep HxSupVal (ImageRep im, PixValue val)**
- **ImageRep HxXorVal (ImageRep im, PixValue val)**
- **PixValue HxPixInf (ImageRep im)**
- **PixValue HxPixMax (ImageRep im)**
- **PixValue HxPixMin (ImageRep im)**
- **PixValue HxPixProduct (ImageRep im)**
- **PixValue HxPixSum (ImageRep im)**
- **PixValue HxPixSup (ImageRep im)**
- **ImageRep HxImageAsByte (ImageRep img)**
- **ImageRep HxImageAsDouble (ImageRep img)**
- **ImageRep HxImageAsFloat (ImageRep img)**
- **ImageRep HxImageAsShort (ImageRep img)**
- **ImageRep HxImageAsVec2Byte (ImageRep img)**
- **ImageRep HxImageAsVec2Double (ImageRep img)**
- **ImageRep HxImageAsVec2Float (ImageRep img)**
- **ImageRep HxImageAsVec2Int (ImageRep img)**
- **ImageRep HxImageAsVec2Short (ImageRep img)**
- **ImageRep HxImageAsVec3Byte (ImageRep img)**
- **ImageRep HxImageAsVec3Double (ImageRep img)**
- **ImageRep HxImageAsVec3Float (ImageRep img)**
- **ImageRep HxImageAsVec3Int (ImageRep img)**
- **ImageRep HxImageAsVec3Short (ImageRep img)**
- **ImageRep HxImageAsComplex (ImageRep img)**
- **ImageRep HxColorSpace (ImageRep im, ColorModel fromColorSpace, ColorModel toColorSpace)**
- **ImageRep HxAffinePix (ImageRep im, PixValue v1, PixValue v2, PixValue v3)**
- **ImageRep HxRGB2Intensity (ImageRep im)**

- Histogram HxGreyEdgeHistogram (ImageRep objImage, double sigma, double threshold)
- Histogram HxHistogramFromFile (String fileName)
- Histogram HxImageToHistogram (ImageRep im, int getDim, double lowBin, double highBin, int nBin)
- Histogram HxImageToHistogramMask (ImageRep im, int getDim, double lowBin, double highBin, int nBin, ImageRep mask, int maskVal)
- Blob2d[] HxLabelBlobs (ImageRep image, ImageRep mask, int minimalBlobArea)
- ImageRep HxHighlightRegion (ImageRep im, ImageRep mask, int label, double factor)
- void HxExportMatlabPixels (ImageRep im, DoubleSeqHolder pixels)
- boolean HxWriteFile (ImageRep im, String fileName)
- boolean HxImagesToFile (ImageRep[] ims, String fileName)
- ImageRep HxCannyEdgeMap (ImageRep img, double sigma)
- ImageRep HxCannyThreshold (ImageRep img, double sigma, double level)
- ImageRep HxCannyThresholdAlt (ImageRep img, double sigma, double level)
- ImageRep HxCannyThresholdRec (ImageRep img, double sigma, double level)
- ImageRep HxConvGauss2d (ImageRep img, double sigmax, int orderDerivx, double accuracyx, double sigmay, int orderDerivy, double accuracyy)
- ImageRep HxConvGauss3d (ImageRep img, double sigmax, int orderDerivx, double accuracyx, double sigmay, int orderDerivy, double accuracyy, double sigmaz, int orderDerivz, double accuracyz)
- ImageRep HxConvKernelSeparated (ImageRep im, ImageRep kernel, ResultPrecision resPrec)
- ImageRep HxConvKernelSeparated2d (ImageRep img, ImageRep kernelX, ImageRep kernelY, ResultPrecision resPrec)
- ImageRep HxConvolution (ImageRep im, ImageRep kernel, ResultPrecision resPrec)
- ImageRep HxDefuz (ImageRep im, int windowSzX, int windowSzY, double thr)
- ImageRep HxDistanceTransform (ImageRep img)
- ImageRep HxGauss (ImageRep img, double sigma, double accuracy)
- ImageRep HxGaussDerivative2d (ImageRep img, double sigma, int orderDerivx, int orderDerivy, double accuracy)
- ImageRep HxGaussDerivative3d (ImageRep img, double sigma, int orderDerivx, int orderDerivy, int orderDerivz, double accuracy)
- ImageRep HxGaussianDeblur (ImageRep im, double dr, double dc)
- ImageRep HxKuwahara (ImageRep im, int width, int height)
- ImageRep HxLocalMode (ImageRep f, ImageRep g, int nr, double sigmax, double sigmay, double sigmaval, Sizes ngbSize)
- ImageRep HxNormalizedCorrelation (ImageRep im, ImageRep kernel)
- ImageRep HxPercentile (ImageRep im, int neighSize, double perc)
- ImageRep HxRecGauss (ImageRep im, double sx, double sy, int dx, int dy, int recurOrder)
- ImageRep HxUniform (ImageRep im, Sizes size)
- ImageRep HxUniformNonSep (ImageRep im, Sizes size)
- ImageRep HxMakeFrom2Images (ImageRep i1, ImageRep i2)
- ImageRep HxMakeFrom3Images (ImageRep i1, ImageRep i2, ImageRep i3)
- ImageRep HxMakeFromByteData (int pixelDimensionality, int dimensions, Sizes size, byte[] data)
- ImageRep HxMakeFromDoubleData (int pixelDimensionality, int dimensions, Sizes size, double[] data)
- ImageRep HxMakeFromFile (String fileName)
- ImageRep HxMakeFromFloatData (int pixelDimensionality, int dimensions, Sizes size, float[] data)
- ImageRep HxMakeFromGrayValue (ImageSignature signature, Sizes size, byte[] pixels)

- ImageRep HxMakeFromImage (ImageSignature signature, ImageRep src)
- ImageRep HxMakeFromImport (ImageSignature signature, Sizes size, String importOp, TagList tags)
- ImageRep HxMakeFromIntData (int pixelDimensionality, int dimensions, Sizes size, int[] data)
- ImageRep HxMakeFromJavaRgb (ImageSignature signature, Sizes size, int[] pixels)
- ImageRep HxMakeFromMatlab (ImageSignature signature, Sizes size, double[] pixels)
- ImageRep HxMakeFromNamedGenerator (ImageSignature signature, String generatorName, TagList tags)
- ImageRep HxMakeFromPpmPixels (ImageSignature signature, Sizes size, byte[] pixels)
- ImageRep HxMakeFromShortData (int pixelDimensionality, int dimensions, Sizes size, short[] data)
- ImageRep HxMakeFromSignature (ImageSignature signature, Sizes size)
- ImageRep HxMakeFromValue (ImageSignature signature, Sizes size, PixValue val)
- ImageRep HxMakeGaussian1d (double sigma, int deri, double accuracy, int maxfsize, int fsize)
- ImageRep HxMakeParabola1d (double rho, double accuracy, int maxfsize, int fsize)
- ImageRep[] HxImagesFromFile (String fileName)
- ImageRep HxExtend (ImageRep img, ImageRep background, Point begin)
- ImageRep HxExtendVal (ImageRep img, Sizes newSize, PixValue background, Point begin)
- ImageRep HxReflect (ImageRep img, int doX, int doY, int doZ)
- ImageRep HxRestrict (ImageRep img, Point begin, Point end)
- ImageRep HxRotate (ImageRep img, double alpha, GeoIntType gi, int adjustSize, PixValue background)
- ImageRep HxScale (ImageRep img, double sx, double sy, double sz, GeoIntType gi, int adjustSize)
- ImageRep HxTranslate (ImageRep img, int sx, int sy, int sz)
- ImageRep HxTranspose (ImageRep img)
- int HxImageMaxSize (ImageRep img)
- int HxImageMinSize (ImageRep img)
- PixValue HxIdentMaskMean (ImageRep im, ImageRep mask, Point p, Sizes size, int label)
- PixValue HxIdentMaskMedian (ImageRep im, ImageRep mask, Point p, Sizes size, int label)
- PixValue HxIdentMaskStDev (ImageRep im, ImageRep mask, Point p, Sizes size, int label)
- PixValue HxIdentMaskSum (ImageRep im, ImageRep mask, Point p, Sizes size, int label)
- PixValue HxIdentMaskVariance (ImageRep im, ImageRep mask, Point p, Sizes size, int label)
- PixValue HxWeightMaskSum (ImageRep im, ImageRep mask, Point p)
- ImageRep HxAreaClosing (ImageRep im, int conn, int minarea)
- ImageRep HxAreaOpening (ImageRep im, int conn, int area)
- ImageRep HxClosing (ImageRep im, SF s)
- ImageRep HxClosingByReconstruction (ImageRep im, SF s1, SF s2)
- ImageRep HxClosingByReconstructionTopHat (ImageRep im, SF s1, SF s2)
- ImageRep HxClosingTopHat (ImageRep im, SF s)
- ImageRep HxConditionalDilation (ImageRep im, ImageRep mask, SF s, int nrIter)
- ImageRep HxConditionalErosion (ImageRep im, ImageRep mask, SF s, int nrIter)
- ImageRep HxDilation (ImageRep im, SF s)
- ImageRep HxDistanceTransformMM (ImageRep im, SF s)
- ImageRep HxErosion (ImageRep im, SF s)
- ImageRep HxGeodesicDistanceTransform (ImageRep im, int conn)
- ImageRep HxHilditchSkeleton (ImageRep im)
- ImageRep HxHitOrMiss (ImageRep im, SF s1, SF s2)
- ImageRep HxInfimumReconstruction (ImageRep im, ImageRep mask, SF s)

- ImageRep HxMorphologicalContour (ImageRep im, SF s)
- ImageRep HxMorphologicalGradient (ImageRep im, SF s)
- ImageRep HxMorphologicalGradient2 (ImageRep im, SF s1, SF s2)
- ImageRep HxOpening (ImageRep im, SF s)
- ImageRep HxOpeningByReconstruction (ImageRep im, SF s1, SF s2)
- ImageRep HxOpeningByReconstructionTopHat (ImageRep im, SF s1, SF s2)
- ImageRep HxOpeningTopHat (ImageRep im, SF s)
- ImageRep HxParabolicDilation (ImageRep img, double rho, double accuracy)
- ImageRep HxParabolicErosion (ImageRep img, double rho, double accuracy)
- ImageRep HxPeakRemoval (ImageRep im, int conn, int minarea)
- ImageRep HxRegionalMaxima (ImageRep im, int conn)
- ImageRep HxRegionalMinima (ImageRep im, int conn)
- ImageRep HxSKIZ (ImageRep im, int conn)
- ImageRep HxSkeleton (ImageRep im, SF s)
- ImageRep HxSupremumReconstruction (ImageRep im, ImageRep mask, SF s)
- ImageRep HxThickening (ImageRep im, SF s1, SF s2)
- ImageRep HxThinning (ImageRep im, SF s1, SF s2)
- ImageRep HxValleyRemoval (ImageRep im, int conn, int minarea)
- ImageRep HxWatershed (ImageRep im, int conn)
- ImageRep HxWatershedMarkers (ImageRep input, ImageRep mask, int conn, boolean doLabelMask)
- ImageRep HxWatershedMarkers2 (ImageRep input, ImageRep mask, int conn, boolean doLabelMask, int costMethod)
- ImageRep HxWatershedSlow (ImageRep im, SF s, String linereg)
- ImageRep HxDisplayOF (ImageRep im, int scale_x, int scale_y, double mul_x, double mul_y, int pixelsize)
- ImageRep HxOpticalFlow (ImageRep im1, ImageRep im2)
- ImageRep HxOpticalFlowMultiScale (ImageRep im1, ImageRep im2)
- ImageRep HxAddBinaryNoise (ImageRep im, double percent)
- ImageRep HxAddGaussianNoise (ImageRep im, double mean, double stdev)
- ImageRep HxAddPoissonNoise (ImageRep im, double conversionFactor)
- ImageRep HxAddUniformNoise (ImageRep im)
- ImageRep HxContrastStretch (ImageRep im, double val)
- ImageRep HxSetBorderValue (ImageRep im, int w, int h, PixValue val)
- ImageRep HxSetPartImage (ImageRep im, int x1, int y1, int x2, int y2, PixValue val)
- ImageRep HxSquaredDistance (ImageRep im1, ImageRep im2)
- ImageRep HxBernsenThreshold (ImageRep im, int windowSz, int uniformTh, boolean uniformLow)
- ImageRep HxEntropyThreshold (ImageRep im)
- ImageRep HxIsodataThreshold (ImageRep im)
- ImageRep HxLabel (ImageRep im, int conn)
- ImageRep HxLabel2 (ImageRep im, int conn)
- ImageRep HxThreshold (ImageRep im, PixValue val)
- ImageRep HxTriStateThreshold (ImageRep im, PixValue level, PixValue v1, PixValue v2, PixValue v3)
- boolean VxRelEquals (VxTimeSpan elt1, VxTimeSpan elt2)
- boolean VxRelMeets (VxTimeSpan elt1, VxTimeSpan elt2)
- boolean VxRelBefore (VxTimeSpan elt1, VxTimeSpan elt2)
- boolean VxRelOverlaps (VxTimeSpan elt1, VxTimeSpan elt2)
- boolean VxRelDur (VxTimeSpan elt1, VxTimeSpan elt2)

- boolean VxRelCon (VxTimeSpan elt1, VxTimeSpan elt2)
- boolean VxRelMeetsAnywhere (VxTimeSpan elt1, VxTimeSpan elt2)
- boolean VxRelBeforeAfter (VxTimeSpan elt1, VxTimeSpan elt2)
- boolean VxRelOverlapsAnywhere (VxTimeSpan elt1, VxTimeSpan elt2)
- String VxRelAsString (VxTimeSpan elt1, VxTimeSpan elt2)
- void HxIDBOpen (String name, String indexFile)
- String[] HxIDBRandom (String name, int n)
- String[] HxIDBSearch (String key, String name, int n)
- void HxInvarOpenDB (String indexFile, String dbDir)
- String[] HxInvarRandom (String invar, int n)
- String[] HxInvarSearch (ImageRep im, String invar, int n)
- String[] HxInvarSearchHisto (Histogram[] target, String invar, int n)
- double HxInvarMatchHistos (Histogram[] l1, Histogram[] l2)
- void HxInvarIndexDB (String indexFile, String dbDir, String invar, double s, int bins)
- int HxInvarDBSize (String invar)
- int HxInvarBinsPerHistogram (String invar)
- int HxInvarChannels (String invar)
- String[] HxInvarDBList (String invar)
- float[] HxInvarGetHistos (String invar, String key)
- String[] HxInvarSearchKey (String key, String invar, int n)
- double[] HxInvarScores (String invar, int n)
- ImageRep HxNJetInvarE (NJet nj)
- ImageRep HxNJetInvarC (NJet nj)
- ImageRep HxNJetInvarWw (NJet nj)
- ImageRep HxNJetInvarCw (NJet nj)
- Histogram[] HxNJetInvarEHisto (NJet nj, int nBin)
- Histogram[] HxNJetInvarCHisto (NJet nj, int nBin)
- Histogram[] HxNJetInvarWwHisto (NJet nj, int nBin)
- Histogram[] HxNJetInvarCwHisto (NJet nj, int nBin)
- Histogram[] HxInvarEHisto (ImageRep im, double scale, int nBin)
- Histogram[] HxInvarCHisto (ImageRep im, double scale, int nBin)
- Histogram[] HxInvarWwHisto (ImageRep im, double scale, int nBin)
- Histogram[] HxInvarCwHisto (ImageRep im, double scale, int nBin)
- double[][] HxNJetInvar (ImageRep im, String invar, double scale, int nBin)
- ImageRep HxColorInvarEw (ImageRep im, double scale)
- ImageRep HxColorInvarWw (ImageRep im, double scale)
- ImageRep HxColorInvarCw (ImageRep im, double scale)
- ImageRep HxColorInvarNw (ImageRep im, double scale)
- ImageRep HxColorInvarHw (ImageRep im, double scale)

2.10.1 Detailed Description

Global operations.

2.10.2 Member Function Documentation

2.10.2.1 ImageRep GlobalOpsOperations::HxAbs (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.2 ImageRep GlobalOpsOperations::HxCeil (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.3 ImageRep GlobalOpsOperations::HxComplement (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.4 ImageRep GlobalOpsOperations::HxExp (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.5 ImageRep GlobalOpsOperations::HxFloor (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.6 ImageRep GlobalOpsOperations::HxLog (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.7 ImageRep GlobalOpsOperations::HxLog10 (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.8 ImageRep GlobalOpsOperations::HxNegate (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.9 ImageRep GlobalOpsOperations::HxNorm1 (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.10 ImageRep GlobalOpsOperations::HxNorm2 (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.11 ImageRep GlobalOpsOperations::HxNormInf (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.12 ImageRep GlobalOpsOperations::HxProjectRange (ImageRep *im*, int *dimension*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.13 ImageRep GlobalOpsOperations::HxReciprocal (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.14 ImageRep GlobalOpsOperations::HxSqrt (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.15 ImageRep GlobalOpsOperations::HxRound (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.16 ImageRep GlobalOpsOperations::HxUnaryMax (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.17 ImageRep GlobalOpsOperations::HxUnaryMin (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.18 ImageRep GlobalOpsOperations::HxUnaryProduct (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.19 ImageRep GlobalOpsOperations::HxUnarySum (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.20 ImageRep GlobalOpsOperations::HxAcos (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.21 ImageRep GlobalOpsOperations::HxAsin (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.22 ImageRep GlobalOpsOperations::HxAtan (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.23 ImageRep GlobalOpsOperations::HxAtan2 (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.24 ImageRep GlobalOpsOperations::HxCos (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.25 ImageRep GlobalOpsOperations::HxCosh (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.26 ImageRep GlobalOpsOperations::HxSin (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.27 ImageRep GlobalOpsOperations::HxSinh (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.28 ImageRep GlobalOpsOperations::HxTan (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.29 ImageRep GlobalOpsOperations::HxTanh (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.30 ImageRep GlobalOpsOperations::HxArg (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.31 ImageRep GlobalOpsOperations::HxConjugate (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.32 ImageRep GlobalOpsOperations::HxAdd (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.33 ImageRep GlobalOpsOperations::HxAddSat (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.34 ImageRep GlobalOpsOperations::HxAnd (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.35 ImageRep GlobalOpsOperations::HxCross (ImageRep *im1*, ImageRep *im2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.36 ImageRep GlobalOpsOperations::HxDiv (ImageRep *im1*, ImageRep *im2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.37 ImageRep GlobalOpsOperations::HxDot (ImageRep *im1*, ImageRep *im2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.38 ImageRep GlobalOpsOperations::HxEqual (ImageRep *im1*, ImageRep *im2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.39 ImageRep GlobalOpsOperations::HxGreaterEqual (ImageRep *im1*, ImageRep *im2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.40 ImageRep GlobalOpsOperations::HxGreaterThan (ImageRep *im1*, ImageRep *im2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.41 ImageRep GlobalOpsOperations::HxInf (ImageRep *im1*, ImageRep *im2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.42 ImageRep GlobalOpsOperations::HxInverseProjectRange (ImageRep *im1*, int *dimension*, ImageRep *im2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.43 ImageRep GlobalOpsOperations::HxLeftShift (ImageRep *im1*, ImageRep *im2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.44 ImageRep GlobalOpsOperations::HxLessEqual (ImageRep *im1*, ImageRep *im2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.45 ImageRep GlobalOpsOperations::HxLessThan (ImageRep *im1*, ImageRep *im2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.46 ImageRep GlobalOpsOperations::HxMax (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.47 ImageRep GlobalOpsOperations::HxMin (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.48 ImageRep GlobalOpsOperations::HxMod (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.49 ImageRep GlobalOpsOperations::HxMul (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.50 ImageRep GlobalOpsOperations::HxNotEqual (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.51 ImageRep GlobalOpsOperations::HxOr (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.52 ImageRep GlobalOpsOperations::HxPow (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.53 ImageRep GlobalOpsOperations::HxRightShift (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.54 ImageRep GlobalOpsOperations::HxSub (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.55 ImageRep GlobalOpsOperations::HxSubSat (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.56 ImageRep GlobalOpsOperations::HxSup (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.57 ImageRep GlobalOpsOperations::HxXor (ImageRep *im1*, ImageRep *im2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.58 ImageRep GlobalOpsOperations::HxAddVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.59 ImageRep GlobalOpsOperations::HxAndVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.60 ImageRep GlobalOpsOperations::HxCrossVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.61 ImageRep GlobalOpsOperations::HxDivVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.62 ImageRep GlobalOpsOperations::HxDotVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.63 ImageRep GlobalOpsOperations::HxEqualVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.64 ImageRep GlobalOpsOperations::HxGreaterEqualVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.65 ImageRep GlobalOpsOperations::HxGreaterThanVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.66 ImageRep GlobalOpsOperations::HxInfVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.67 ImageRep GlobalOpsOperations::HxLeftShiftVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.68 ImageRep GlobalOpsOperations::HxLessEqualVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.69 ImageRep GlobalOpsOperations::HxLessThanVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.70 ImageRep GlobalOpsOperations::HxMaxVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.71 ImageRep GlobalOpsOperations::HxMinVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.72 ImageRep GlobalOpsOperations::HxModVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.73 ImageRep GlobalOpsOperations::HxMulVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.74 ImageRep GlobalOpsOperations::HxNotEqualVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.75 ImageRep GlobalOpsOperations::HxOrVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.76 ImageRep GlobalOpsOperations::HxPowVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.77 ImageRep GlobalOpsOperations::HxRightShiftVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.78 ImageRep GlobalOpsOperations::HxSubVal (ImageRep *im*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.79 ImageRep GlobalOpsOperations::HxSupVal (ImageRep *im*, PixValue *val*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.80 ImageRep GlobalOpsOperations::HxXorVal (ImageRep *im*, PixValue *val*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.81 PixValue GlobalOpsOperations::HxPixInf (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.82 PixValue GlobalOpsOperations::HxPixMax (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.83 PixValue GlobalOpsOperations::HxPixMin (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.84 PixValue GlobalOpsOperations::HxPixProduct (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.85 PixValue GlobalOpsOperations::HxPixSum (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.86 PixValue GlobalOpsOperations::HxPixSup (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.87 ImageRep GlobalOpsOperations::HxImageAsByte (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.88 ImageRep GlobalOpsOperations::HxImageAsDouble (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.89 ImageRep GlobalOpsOperations::HxImageAsFloat (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.90 ImageRep GlobalOpsOperations::HxImageAsShort (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.91 ImageRep GlobalOpsOperations::HxImageAsVec2Byte (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.92 ImageRep GlobalOpsOperations::HxImageAsVec2Double (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.93 ImageRep GlobalOpsOperations::HxImageAsVec2Float (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.94 ImageRep GlobalOpsOperations::HxImageAsVec2Int (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.95 ImageRep GlobalOpsOperations::HxImageAsVec2Short (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.96 ImageRep GlobalOpsOperations::HxImageAsVec3Byte (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.97 ImageRep GlobalOpsOperations::HxImageAsVec3Double (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.98 ImageRep GlobalOpsOperations::HxImageAsVec3Float (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.99 ImageRep GlobalOpsOperations::HxImageAsVec3Int (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.100 ImageRep GlobalOpsOperations::HxImageAsVec3Short (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.101 ImageRep GlobalOpsOperations::HxImageAsComplex (ImageRep *img*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.102 ImageRep GlobalOpsOperations::HxColorSpace (ImageRep *im*, ColorModel *fromColorSpace*, ColorModel *toColorSpace*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.103 ImageRep GlobalOpsOperations::HxAffinePix (ImageRep *im*, PixValue *v1*, PixValue *v2*, PixValue *v3*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.104 ImageRep GlobalOpsOperations::HxRGB2Intensity (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.105 Histogram GlobalOpsOperations::HxGreyEdgeHistogram (ImageRep *objImage*, double *sigma*, double *threshold*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.106 Histogram GlobalOpsOperations::HxHistogramFromFile (String *fileName*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.107 Histogram GlobalOpsOperations::HxImageToHistogram (ImageRep *im*, int *getDim*, double *lowBin*, double *highBin*, int *nBin*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.108 Histogram GlobalOpsOperations::HxImageToHistogramMask (ImageRep *im*, int *getDim*, double *lowBin*, double *highBin*, int *nBin*, ImageRep *mask*, int *maskVal*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.109 Blob2d [] GlobalOpsOperations::HxLabelBlobs (ImageRep *image*, ImageRep *mask*, int *minimalBlobArea*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.110 ImageRep GlobalOpsOperations::HxHighlightRegion (ImageRep *im*, ImageRep *mask*, int *label*, double *factor*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.111 void GlobalOpsOperations::HxExportMatlabPixels (ImageRep *im*, DoubleSeqHolder *pixels*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.112 boolean GlobalOpsOperations::HxWriteFile (ImageRep *im*, String *fileName*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.113 boolean GlobalOpsOperations::HxImagesToFile (ImageRep *ims*[], String *fileName*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.114 ImageRep GlobalOpsOperations::HxCannyEdgeMap (ImageRep *img*, double *sigma*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.115 ImageRep GlobalOpsOperations::HxCannyThreshold (ImageRep *img*, double *sigma*, double *level*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.116 ImageRep GlobalOpsOperations::HxCannyThresholdAlt (ImageRep *img*, double *sigma*, double *level*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.117 ImageRep GlobalOpsOperations::HxCannyThresholdRec (ImageRep *img*, double *sigma*, double *level*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.118 ImageRep GlobalOpsOperations::HxConvGauss2d (ImageRep *img*, double *sigmax*, int *orderDerivx*, double *accuracyx*, double *sigmay*, int *orderDerivy*, double *accuracyy*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.119 ImageRep GlobalOpsOperations::HxConvGauss3d (ImageRep *img*, double *sigmax*, int *orderDerivx*, double *accuracyx*, double *sigmay*, int *orderDerivy*, double *accuracyy*, double *sigmaz*, int *orderDerivz*, double *accuracyz*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.120 ImageRep GlobalOpsOperations::HxConvKernelSeparated (ImageRep *im*, ImageRep *kernel*, ResultPrecision *resPrec*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.121 ImageRep GlobalOpsOperations::HxConvKernelSeparated2d (ImageRep *img*, ImageRep *kernelX*, ImageRep *kernelY*, ResultPrecision *resPrec*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.122 ImageRep GlobalOpsOperations::HxConvolution (ImageRep *im*, ImageRep *kernel*, ResultPrecision *resPrec*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.123 ImageRep GlobalOpsOperations::HxDefuz (ImageRep *im*, int *windowSzX*, int *windowSzY*, double *thr*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.124 ImageRep GlobalOpsOperations::HxDistanceTransform (ImageRep *img*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.125 ImageRep GlobalOpsOperations::HxGauss (ImageRep *img*, double *sigma*, double *accuracy*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.126 ImageRep GlobalOpsOperations::HxGaussDerivative2d (ImageRep *img*, double *sigma*, int *orderDerivx*, int *orderDerivy*, double *accuracy*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.127 ImageRep GlobalOpsOperations::HxGaussDerivative3d (ImageRep *img*, double *sigma*, int *orderDerivx*, int *orderDerivy*, int *orderDerivz*, double *accuracy*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.128 ImageRep GlobalOpsOperations::HxGaussianDeblur (ImageRep *im*, double *dr*, double *dc*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.129 ImageRep GlobalOpsOperations::HxKuwahara (ImageRep *im*, int *width*, int *height*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.130 ImageRep GlobalOpsOperations::HxLocalMode (ImageRep *f*, ImageRep *g*, int *nr*, double *sigmax*, double *sigmay*, double *sigmaval*, Sizes *ngbSize*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.131 ImageRep GlobalOpsOperations::HxNormalizedCorrelation (ImageRep *im*, ImageRep *kernel*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.132 ImageRep GlobalOpsOperations::HxPercentile (ImageRep *im*, int *neighSize*, double *perc*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.133 ImageRep GlobalOpsOperations::HxRecGauss (ImageRep *im*, double *sx*, double *sy*, int *dx*, int *dy*, int *recurOrder*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.134 ImageRep GlobalOpsOperations::HxUniform (ImageRep *im*, Sizes *size*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.135 ImageRep GlobalOpsOperations::HxUniformNonSep (ImageRep *im*, Sizes *size*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.136 ImageRep GlobalOpsOperations::HxMakeFrom2Images (ImageRep *i1*, ImageRep *i2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.137 ImageRep GlobalOpsOperations::HxMakeFrom3Images (ImageRep *i1*, ImageRep *i2*, ImageRep *i3*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.138 ImageRep GlobalOpsOperations::HxMakeFromByteData (int *pixelDimensionality*, int *dimensions*, Sizes *size*, byte *data*[])

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.139 ImageRep GlobalOpsOperations::HxMakeFromDoubleData (int *pixelDimensionality*, int *dimensions*, Sizes *size*, double *data*[])

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.140 ImageRep GlobalOpsOperations::HxMakeFromFile (String *fileName*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.141 ImageRep GlobalOpsOperations::HxMakeFromFloatData (int *pixelDimensionality*, int *dimensions*, Sizes *size*, float *data*[])

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.142 ImageRep GlobalOpsOperations::HxMakeFromGrayValue (ImageSignature *signature*, Sizes *size*, byte *pixels*[])

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.143 ImageRep GlobalOpsOperations::HxMakeFromImage (ImageSignature *signature*, ImageRep *src*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.144 ImageRep GlobalOpsOperations::HxMakeFromImport (ImageSignature *signature*, Sizes *size*, String *importOp*, TagList *tags*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.145 ImageRep GlobalOpsOperations::HxMakeFromIntData (int *pixelDimensionality*, int *dimensions*, Sizes *size*, int *data*[])

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.146 ImageRep GlobalOpsOperations::HxMakeFromJavaRgb (ImageSignature *signature*, Sizes *size*, int *pixels*[])

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.147 ImageRep GlobalOpsOperations::HxMakeFromMatlab (ImageSignature *signature*, Sizes *size*, double *pixels*[])

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.148 ImageRep GlobalOpsOperations::HxMakeFromNamedGenerator (ImageSignature *signature*, String *generatorName*, TagList *tags*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.149 ImageRep GlobalOpsOperations::HxMakeFromPpmPixels (ImageSignature *signature*, Sizes *size*, byte *pixels*[])

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.150 ImageRep GlobalOpsOperations::HxMakeFromShortData (int *pixelDimensionality*, int *dimensions*, Sizes *size*, short *data*[])

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.151 ImageRep GlobalOpsOperations::HxMakeFromSignature (ImageSignature *signature*, Sizes *size*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.152 ImageRep GlobalOpsOperations::HxMakeFromValue (ImageSignature *signature*, Sizes *size*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.153 ImageRep GlobalOpsOperations::HxMakeGaussian1d (double *sigma*, int *deri*, double *accuracy*, int *maxfsize*, int *fsize*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.154 ImageRep GlobalOpsOperations::HxMakeParabola1d (double *rho*, double *accuracy*, int *maxfsize*, int *fsize*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.155 ImageRep [] GlobalOpsOperations::HxImagesFromFile (String *fileName*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.156 ImageRep GlobalOpsOperations::HxExtend (ImageRep *img*, ImageRep *background*, Point *begin*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.157 ImageRep GlobalOpsOperations::HxExtendVal (ImageRep *img*, Sizes *newSize*, PixValue *background*, Point *begin*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.158 ImageRep GlobalOpsOperations::HxReflect (ImageRep *img*, int *doX*, int *doY*, int *doZ*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.159 ImageRep GlobalOpsOperations::HxRestrict (ImageRep *img*, Point *begin*, Point *end*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.160 ImageRep GlobalOpsOperations::HxRotate (ImageRep *img*, double *alpha*, GeoIntType *gi*, int *adjustSize*, PixValue *background*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.161 ImageRep GlobalOpsOperations::HxScale (ImageRep *img*, double *sx*, double *sy*, double *sz*, GeoIntType *gi*, int *adjustSize*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.162 ImageRep GlobalOpsOperations::HxTranslate (ImageRep *img*, int *sx*, int *sy*, int *sz*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.163 ImageRep GlobalOpsOperations::HxTranspose (ImageRep *img*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.164 int GlobalOpsOperations::HxImageMaxSize (ImageRep *img*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.165 int GlobalOpsOperations::HxImageMinSize (ImageRep *img*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.166 PixValue GlobalOpsOperations::HxIdentMaskMean (ImageRep *im*, ImageRep *mask*, Point *p*, Sizes *size*, int *label*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.167 PixValue GlobalOpsOperations::HxIdentMaskMedian (ImageRep *im*, ImageRep *mask*, Point *p*, Sizes *size*, int *label*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.168 PixValue GlobalOpsOperations::HxIdentMaskStDev (ImageRep *im*, ImageRep *mask*, Point *p*, Sizes *size*, int *label*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.169 PixValue GlobalOpsOperations::HxIdentMaskSum (ImageRep *im*, ImageRep *mask*, Point *p*, Sizes *size*, int *label*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.170 `PixValue GlobalOpsOperations::HxIdentMaskVariance (ImageRep im, ImageRep mask, Point p, Sizes size, int label)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.171 `PixValue GlobalOpsOperations::HxWeightMaskSum (ImageRep im, ImageRep mask, Point p)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.172 `ImageRep GlobalOpsOperations::HxAreaClosing (ImageRep im, int conn, int minarea)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.173 `ImageRep GlobalOpsOperations::HxAreaOpening (ImageRep im, int conn, int area)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.174 `ImageRep GlobalOpsOperations::HxClosing (ImageRep im, SF s)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.175 `ImageRep GlobalOpsOperations::HxClosingByReconstruction (ImageRep im, SF s1, SF s2)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.176 `ImageRep GlobalOpsOperations::HxClosingByReconstructionTopHat (ImageRep im, SF s1, SF s2)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.177 `ImageRep GlobalOpsOperations::HxClosingTopHat (ImageRep im, SF s)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.178 `ImageRep GlobalOpsOperations::HxConditionalDilation (ImageRep im, ImageRep mask, SF s, int nrIter)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.179 `ImageRep GlobalOpsOperations::HxConditionalErosion (ImageRep im, ImageRep mask, SF s, int nrIter)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.180 ImageRep GlobalOpsOperations::HxDilation (ImageRep *im*, SF *s*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.181 ImageRep GlobalOpsOperations::HxDistanceTransformMM (ImageRep *im*, SF *s*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.182 ImageRep GlobalOpsOperations::HxErosion (ImageRep *im*, SF *s*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.183 ImageRep GlobalOpsOperations::HxGeodesicDistanceTransform (ImageRep *im*, int *conn*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.184 ImageRep GlobalOpsOperations::HxHilditchSkeleton (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.185 ImageRep GlobalOpsOperations::HxHitOrMiss (ImageRep *im*, SF *s1*, SF *s2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.186 ImageRep GlobalOpsOperations::HxInfimumReconstruction (ImageRep *im*, ImageRep *mask*, SF *s*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.187 ImageRep GlobalOpsOperations::HxMorphologicalContour (ImageRep *im*, SF *s*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.188 ImageRep GlobalOpsOperations::HxMorphologicalGradient (ImageRep *im*, SF *s*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.189 ImageRep GlobalOpsOperations::HxMorphologicalGradient2 (ImageRep *im*, SF *s1*, SF *s2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.190 ImageRep GlobalOpsOperations::HxOpening (ImageRep *im*, SF *s*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.191 ImageRep GlobalOpsOperations::HxOpeningByReconstruction (ImageRep *im*, SF *s1*, SF *s2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.192 ImageRep GlobalOpsOperations::HxOpeningByReconstructionTopHat (ImageRep *im*, SF *s1*, SF *s2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.193 ImageRep GlobalOpsOperations::HxOpeningTopHat (ImageRep *im*, SF *s*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.194 ImageRep GlobalOpsOperations::HxParabolicDilation (ImageRep *img*, double *rho*, double *accuracy*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.195 ImageRep GlobalOpsOperations::HxParabolicErosion (ImageRep *img*, double *rho*, double *accuracy*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.196 ImageRep GlobalOpsOperations::HxPeakRemoval (ImageRep *im*, int *conn*, int *minarea*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.197 ImageRep GlobalOpsOperations::HxRegionalMaxima (ImageRep *im*, int *conn*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.198 ImageRep GlobalOpsOperations::HxRegionalMinima (ImageRep *im*, int *conn*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.199 ImageRep GlobalOpsOperations::HxSKIZ (ImageRep *im*, int *conn*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.200 ImageRep GlobalOpsOperations::HxSkeleton (ImageRep *im*, SF *s*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.201 ImageRep GlobalOpsOperations::HxSupremumReconstruction (ImageRep *im*, ImageRep *mask*, SF *s*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.202 ImageRep GlobalOpsOperations::HxThickening (ImageRep *im*, SF *s1*, SF *s2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.203 ImageRep GlobalOpsOperations::HxThinning (ImageRep *im*, SF *s1*, SF *s2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.204 ImageRep GlobalOpsOperations::HxValleyRemoval (ImageRep *im*, int *conn*, int *minarea*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.205 ImageRep GlobalOpsOperations::HxWatershed (ImageRep *im*, int *conn*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.206 ImageRep GlobalOpsOperations::HxWatershedMarkers (ImageRep *input*, ImageRep *mask*, int *conn*, boolean *doLabelMask*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.207 ImageRep GlobalOpsOperations::HxWatershedMarkers2 (ImageRep *input*, ImageRep *mask*, int *conn*, boolean *doLabelMask*, int *costMethod*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.208 ImageRep GlobalOpsOperations::HxWatershedSlow (ImageRep *im*, SF *s*, String *linereg*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.209 ImageRep GlobalOpsOperations::HxDisplayOF (ImageRep *im*, int *scale_x*, int *scale_y*, double *mul_x*, double *mul_y*, int *pixelsize*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.210 ImageRep GlobalOpsOperations::HxOpticalFlow (ImageRep *im1*, ImageRep *im2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.211 ImageRep GlobalOpsOperations::HxOpticalFlowMultiScale (ImageRep *im1*, ImageRep *im2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.212 ImageRep GlobalOpsOperations::HxAddBinaryNoise (ImageRep *im*, double *percent*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.213 ImageRep GlobalOpsOperations::HxAddGaussianNoise (ImageRep *im*, double *mean*, double *stdev*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.214 ImageRep GlobalOpsOperations::HxAddPoissonNoise (ImageRep *im*, double *conversionFactor*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.215 ImageRep GlobalOpsOperations::HxAddUniformNoise (ImageRep *im*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.216 ImageRep GlobalOpsOperations::HxContrastStretch (ImageRep *im*, double *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.217 ImageRep GlobalOpsOperations::HxSetBorderValue (ImageRep *im*, int *w*, int *h*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.218 ImageRep GlobalOpsOperations::HxSetPartImage (ImageRep *im*, int *x1*, int *y1*, int *x2*, int *y2*, PixValue *val*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.219 ImageRep GlobalOpsOperations::HxSquaredDistance (ImageRep *im1*, ImageRep *im2*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.220 ImageRep GlobalOpsOperations::HxBernsenThreshold (ImageRep *im*, int *windowSz*, int *uniformTh*, boolean *uniformLow*)

Reimplemented in _GlobalOpsStub (p. ??), and GlobalOpsPOATie (p. ??).

2.10.2.221 ImageRep GlobalOpsOperations::HxEntropyThreshold (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.222 ImageRep GlobalOpsOperations::HxIsodataThreshold (ImageRep *im*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.223 ImageRep GlobalOpsOperations::HxLabel (ImageRep *im*, int *conn*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.224 ImageRep GlobalOpsOperations::HxLabel2 (ImageRep *im*, int *conn*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.225 ImageRep GlobalOpsOperations::HxThreshold (ImageRep *im*, PixValue *val*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.226 ImageRep GlobalOpsOperations::HxTriStateThreshold (ImageRep *im*, PixValue *level*, PixValue *v1*, PixValue *v2*, PixValue *v3*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.227 boolean GlobalOpsOperations::VxRelEquals (VxTimeSpan *elt1*, VxTimeSpan *elt2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.228 boolean GlobalOpsOperations::VxRelMeets (VxTimeSpan *elt1*, VxTimeSpan *elt2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.229 boolean GlobalOpsOperations::VxRelBefore (VxTimeSpan *elt1*, VxTimeSpan *elt2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.230 boolean GlobalOpsOperations::VxRelOverlaps (VxTimeSpan *elt1*, VxTimeSpan *elt2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.231 boolean GlobalOpsOperations::VxRelDur (VxTimeSpan *elt1*, VxTimeSpan *elt2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.232 boolean GlobalOpsOperations::VxRelCon (VxTimeSpan *elt1*, VxTimeSpan *elt2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.233 boolean GlobalOpsOperations::VxRelMeetsAnywhere (VxTimeSpan *elt1*, VxTimeSpan *elt2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.234 boolean GlobalOpsOperations::VxRelBeforeAfter (VxTimeSpan *elt1*, VxTimeSpan *elt2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.235 boolean GlobalOpsOperations::VxRelOverlapsAnywhere (VxTimeSpan *elt1*, VxTimeSpan *elt2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.236 String GlobalOpsOperations::VxRelAsString (VxTimeSpan *elt1*, VxTimeSpan *elt2*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.237 void GlobalOpsOperations::HxIDBOpen (String *name*, String *indexFile*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.238 String [] GlobalOpsOperations::HxIDBRandom (String *name*, int *n*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.239 String [] GlobalOpsOperations::HxIDBSearch (String *key*, String *name*, int *n*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.240 void GlobalOpsOperations::HxInvarOpenDB (String *indexFile*, String *dbDir*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.241 String [] GlobalOpsOperations::HxInvarRandom (String *invar*, int *n*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.242 String [] GlobalOpsOperations::HxInvarSearch (ImageRep *im*, String *invar*, int *n*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.243 `String [] GlobalOperations::HxInvarSearchHisto (Histogram target[], String invar, int n)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.244 `double GlobalOperations::HxInvarMatchHistos (Histogram I1[], Histogram I2[])`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.245 `void GlobalOperations::HxInvarIndexDB (String indexFile, String dbDir, String invar, double s, int bins)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.246 `int GlobalOperations::HxInvarDBSize (String invar)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.247 `int GlobalOperations::HxInvarBinsPerHistogram (String invar)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.248 `int GlobalOperations::HxInvarChannels (String invar)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.249 `String [] GlobalOperations::HxInvarDBList (String invar)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.250 `float [] GlobalOperations::HxInvarGetHistos (String invar, String key)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.251 `String [] GlobalOperations::HxInvarSearchKey (String key, String invar, int n)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.252 `double [] GlobalOperations::HxInvarScores (String invar, int n)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.253 `ImageRep GlobalOperations::HxNJetInvarE (NJet nj)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.254 ImageRep GlobalOpsOperations::HxNJetInvarC (NJet *nj*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.255 ImageRep GlobalOpsOperations::HxNJetInvarWw (NJet *nj*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.256 ImageRep GlobalOpsOperations::HxNJetInvarCw (NJet *nj*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.257 Histogram [] GlobalOpsOperations::HxNJetInvarEHisto (NJet *nj*, int *nBin*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.258 Histogram [] GlobalOpsOperations::HxNJetInvarCHisto (NJet *nj*, int *nBin*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.259 Histogram [] GlobalOpsOperations::HxNJetInvarWwHisto (NJet *nj*, int *nBin*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.260 Histogram [] GlobalOpsOperations::HxNJetInvarCwHisto (NJet *nj*, int *nBin*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.261 Histogram [] GlobalOpsOperations::HxInvarEHisto (ImageRep *im*, double *scale*, int *nBin*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.262 Histogram [] GlobalOpsOperations::HxInvarCHisto (ImageRep *im*, double *scale*, int *nBin*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.263 Histogram [] GlobalOpsOperations::HxInvarWwHisto (ImageRep *im*, double *scale*, int *nBin*)

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.264 `Histogram [] GlobalOpsOperations::HxInvarCwHisto (ImageRep im, double scale, int nBin)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.265 `double [][] GlobalOpsOperations::HxNJetInvar (ImageRep im, String invar, double scale, int nBin)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.266 `ImageRep GlobalOpsOperations::HxColorInvarEw (ImageRep im, double scale)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.267 `ImageRep GlobalOpsOperations::HxColorInvarWw (ImageRep im, double scale)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.268 `ImageRep GlobalOpsOperations::HxColorInvarCw (ImageRep im, double scale)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.269 `ImageRep GlobalOpsOperations::HxColorInvarNw (ImageRep im, double scale)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

2.10.2.270 `ImageRep GlobalOpsOperations::HxColorInvarHw (ImageRep im, double scale)`

Reimplemented in `_GlobalOpsStub` (p. ??), and `GlobalOpsPOATie` (p. ??).

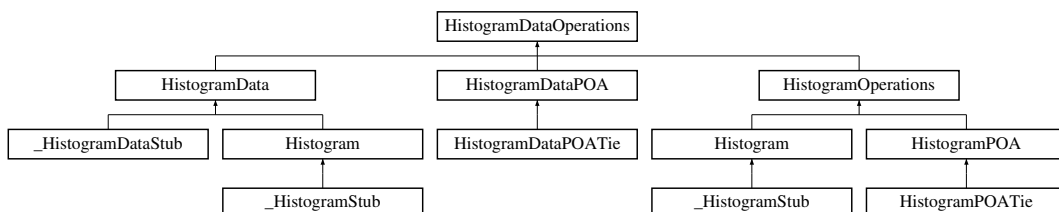
The documentation for this interface was generated from the following file:

- `GlobalOpsOperations.java`

2.11 HistogramDataOperations Interface Reference

All histogram data related functionality.

Inheritance diagram for `HistogramDataOperations::`



Public Methods

- `int dimensionality ()`
- `int dimensionSize (int dim)`
- `int nrOfBins ()`
- `double lowBin (int dim)`
- `double highBin (int dim)`
- `double binWidth (int dim)`
- `double binToValue (int bin, int dim)`
- `int valueToBin (double value, int dim)`
- `double get1 (int bin1)`
- `double get2 (int bin1, int bin2)`
- `double get3 (int bin1, int bin2, int bin3)`
- `double sum ()`
- `double minVal ()`
- `double maxVal ()`
- `double maxValIndex (org.omg.CORBA.IntHolder index)`
- `double[] getDataDouble ()`

2.11.1 Detailed Description

All histogram data related functionality.

2.11.2 Member Function Documentation

2.11.2.1 `int HistogramDataOperations::dimensionality ()`

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.2 `int HistogramDataOperations::dimensionSize (int dim)`

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.3 `int HistogramDataOperations::nrOfBins ()`

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.4 `double HistogramDataOperations::lowBin (int dim)`

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.5 `double HistogramDataOperations::highBin (int dim)`

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.6 double HistogramDataOperations::binWidth (int *dim*)

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.7 double HistogramDataOperations::binToValue (int *bin*, int *dim*)

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.8 int HistogramDataOperations::valueToBin (double *value*, int *dim*)

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.9 double HistogramDataOperations::get1 (int *bin1*)

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.10 double HistogramDataOperations::get2 (int *bin1*, int *bin2*)

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.11 double HistogramDataOperations::get3 (int *bin1*, int *bin2*, int *bin3*)

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.12 double HistogramDataOperations::sum ()

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.13 double HistogramDataOperations::minVal ()

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.14 double HistogramDataOperations::maxVal ()

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.15 double HistogramDataOperations::maxValIndex (org.omg.CORBA.IntHolder *index*)

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

2.11.2.16 double [] HistogramDataOperations::getDataDouble ()

Reimplemented in `_HistogramDataStub` (p. ??), `_HistogramStub` (p. ??), `HistogramDataPOATie` (p. ??), and `HistogramPOATie` (p. ??).

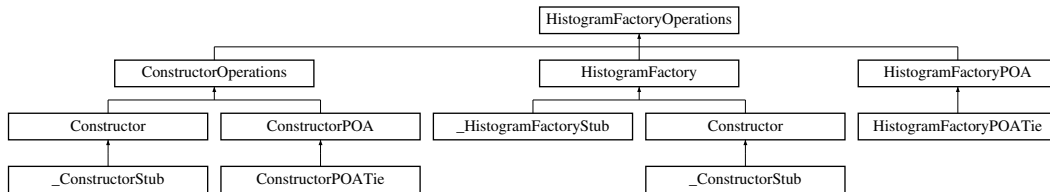
The documentation for this interface was generated from the following file:

- `HistogramDataOperations.java`

2.12 HistogramFactoryOperations Interface Reference

A factory for `Histogram` (p. ??)'s.

Inheritance diagram for `HistogramFactoryOperations::`



Public Methods

- `Histogram` `makeHistogramFromFile` (String *filename*)

2.12.1 Detailed Description

A factory for `Histogram` (p. ??)'s.

2.12.2 Member Function Documentation

2.12.2.1 Histogram `HistogramFactoryOperations::makeHistogramFromFile` (String *filename*)

Reimplemented in `_ConstructorStub` (p. ??), `_HistogramFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `HistogramFactoryPOATie` (p. ??).

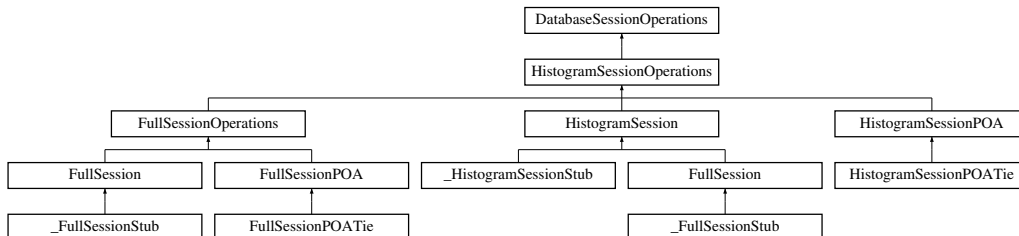
The documentation for this interface was generated from the following file:

- `HistogramFactoryOperations.java`

2.13 HistogramSessionOperations Interface Reference

A database session for Histogram (p. ??)'s.

Inheritance diagram for HistogramSessionOperations::



Public Methods

- **void addHistogram (String imageName, String setName, float[] histoData) throws DatabaseException**
- **float[] getHistogram (String imageName, String setName) throws DatabaseException**
- **String[] nearest (String imageName, String setName, int count) throws DatabaseException**
- **String[] random (String setName, int count) throws DatabaseException**
- **String[] search (int count, float[] sample) throws DatabaseException**

2.13.1 Detailed Description

A database session for Histogram (p. ??)'s.

2.13.2 Member Function Documentation

2.13.2.1 void HistogramSessionOperations::addHistogram (String *imageName*, String *setName*, float *histoData*[])

Reimplemented in `_FullSessionStub` (p. ??), `_HistogramSessionStub` (p. ??), `FullSessionPOATie` (p. ??), and `HistogramSessionPOATie` (p. ??).

2.13.2.2 float[] HistogramSessionOperations::getHistogram (String *imageName*, String *setName*)

Reimplemented in `_FullSessionStub` (p. ??), `_HistogramSessionStub` (p. ??), `FullSessionPOATie` (p. ??), and `HistogramSessionPOATie` (p. ??).

2.13.2.3 String[] HistogramSessionOperations::nearest (String *imageName*, String *setName*, int *count*)

Reimplemented in `_FullSessionStub` (p. ??), `_HistogramSessionStub` (p. ??), `FullSessionPOATie` (p. ??), and `HistogramSessionPOATie` (p. ??).

2.13.2.4 String [] HistogramSessionOperations::random (String setName, int count)

Reimplemented in `_FullSessionStub` (p.??), `_HistogramSessionStub` (p.??), `FullSessionPOATie` (p.??), and `HistogramSessionPOATie` (p.??).

2.13.2.5 String [] HistogramSessionOperations::search (int count, float sample[])

Reimplemented in `_FullSessionStub` (p.??), `_HistogramSessionStub` (p.??), `FullSessionPOATie` (p.??), and `HistogramSessionPOATie` (p.??).

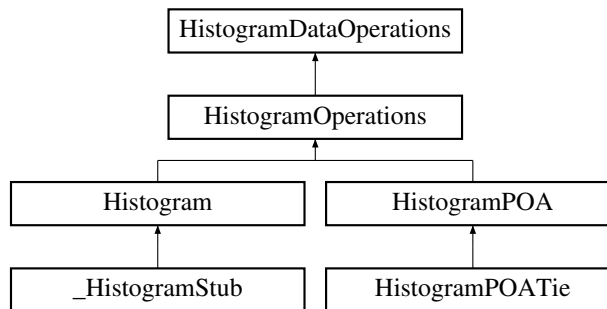
The documentation for this interface was generated from the following file:

- `HistogramSessionOperations.java`

2.14 HistogramOperations Interface Reference

A histogram (HxHistogram in C++).

Inheritance diagram for `HistogramOperations`:



Public Methods

- `Histogram smooth (double sigma)`
- `HistogramMode[] modes ()`
- `Histogram normalize (double weight)`
- `double intersection (Histogram h)`
- `double chiSquare (Histogram h)`
- `double chiSquareNorm (Histogram h)`
- `Histogram threshold (double valThreshold)`
- `int countBins (double valThreshold)`
- `Histogram reduceRange (int binMin1, int binMax1, int binMin2, int binMax2, int binMin3, int binMax3)`
- `Histogram reduceRangeVal (double binValMin1, double binValMax1, double binValMin2, double binValMax2, double binValMin3, double binValMax3)`
- `Histogram to1D (int dim)`
- `void render3d (RgbBuffer buf, int dataWidth, int dataHeight, double elevation, double alpha, double threshold)`
- `void destroy ()`
- `void put ()`

2.14.1 Detailed Description

A histogram (HxHistogram in C++).

2.14.2 Member Function Documentation

2.14.2.1 Histogram HistogramOperations::smooth (double *sigma*)

Reimplemented in `_HistogramStub` (p. ??), and `HistogramPOATie` (p. ??).

2.14.2.2 HistogramMode [] HistogramOperations::modes ()

Reimplemented in `_HistogramStub` (p. ??), and `HistogramPOATie` (p. ??).

2.14.2.3 Histogram HistogramOperations::normalize (double *weight*)

Reimplemented in `_HistogramStub` (p. ??), and `HistogramPOATie` (p. ??).

2.14.2.4 double HistogramOperations::intersection (Histogram *h*)

Reimplemented in `_HistogramStub` (p. ??), and `HistogramPOATie` (p. ??).

2.14.2.5 double HistogramOperations::chiSquare (Histogram *h*)

Reimplemented in `_HistogramStub` (p. ??), and `HistogramPOATie` (p. ??).

2.14.2.6 double HistogramOperations::chiSquareNorm (Histogram *h*)

Reimplemented in `_HistogramStub` (p. ??), and `HistogramPOATie` (p. ??).

2.14.2.7 Histogram HistogramOperations::threshold (double *valThreshold*)

Reimplemented in `_HistogramStub` (p. ??), and `HistogramPOATie` (p. ??).

2.14.2.8 int HistogramOperations::countBins (double *valThreshold*)

Reimplemented in `_HistogramStub` (p. ??), and `HistogramPOATie` (p. ??).

2.14.2.9 Histogram HistogramOperations::reduceRange (int *binMin1*, int *binMax1*, int *binMin2*, int *binMax2*, int *binMin3*, int *binMax3*)

Reimplemented in `_HistogramStub` (p. ??), and `HistogramPOATie` (p. ??).

2.14.2.10 Histogram `HistogramOperations::reduceRangeVal` (double *binValMin1*, double *binValMax1*, double *binValMin2*, double *binValMax2*, double *binValMin3*, double *binValMax3*)

Reimplemented in `_HistogramStub` (p. ??), and `HistogramPOATie` (p. ??).

2.14.2.11 Histogram `HistogramOperations::to1D` (int *dim*)

Reimplemented in `_HistogramStub` (p. ??), and `HistogramPOATie` (p. ??).

2.14.2.12 void `HistogramOperations::render3d` (`RgbBuffer` *buf*, int *dataWidth*, int *dataHeight*, double *elevation*, double *alpha*, double *threshold*)

Reimplemented in `_HistogramStub` (p. ??), and `HistogramPOATie` (p. ??).

2.14.2.13 void `HistogramOperations::destroy` ()

Reimplemented in `_HistogramStub` (p. ??), and `HistogramPOATie` (p. ??).

2.14.2.14 void `HistogramOperations::put` ()

Reimplemented in `_HistogramStub` (p. ??), and `HistogramPOATie` (p. ??).

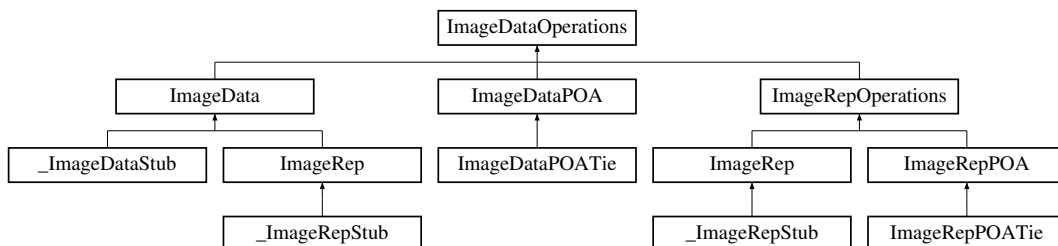
The documentation for this interface was generated from the following file:

- `HistogramOperations.java`

2.15 ImageDataOperations Interface Reference

All image data related functionality.

Inheritance diagram for `ImageDataOperations::`



Public Methods

- `int dimensionality` ()
- `int numberOfPixels` ()
- `int pixelDimensionality` ()
- `int pixelPrecision` ()

- PixelT pixelType ()
- Sizes getSizes ()
- int dimensionSize (int i)
- ImageSignature signature ()
- int[] getRgb2d (String displayMode)
- void fillRgb2d (RgbBuffer buf, String displayMode)
- ImageRepRgbSource getRgbSource ()

2.15.1 Detailed Description

All image data related functionality.

2.15.2 Member Function Documentation

2.15.2.1 int ImageDataOperations::dimensionality ()

Reimplemented in `_ImageDataStub` (p. ??), `_ImageRepStub` (p. ??), `ImageDataPOATie` (p. ??), and `ImageRepPOATie` (p. ??).

2.15.2.2 int ImageDataOperations::numberOfPixels ()

Reimplemented in `_ImageDataStub` (p. ??), `_ImageRepStub` (p. ??), `ImageDataPOATie` (p. ??), and `ImageRepPOATie` (p. ??).

2.15.2.3 int ImageDataOperations::pixelDimensionality ()

Reimplemented in `_ImageDataStub` (p. ??), `_ImageRepStub` (p. ??), `ImageDataPOATie` (p. ??), and `ImageRepPOATie` (p. ??).

2.15.2.4 int ImageDataOperations::pixelPrecision ()

Reimplemented in `_ImageDataStub` (p. ??), `_ImageRepStub` (p. ??), `ImageDataPOATie` (p. ??), and `ImageRepPOATie` (p. ??).

2.15.2.5 PixelT ImageDataOperations::pixelType ()

Reimplemented in `_ImageDataStub` (p. ??), `_ImageRepStub` (p. ??), `ImageDataPOATie` (p. ??), and `ImageRepPOATie` (p. ??).

2.15.2.6 Sizes ImageDataOperations::getSizes ()

Reimplemented in `_ImageDataStub` (p. ??), `_ImageRepStub` (p. ??), `ImageDataPOATie` (p. ??), and `ImageRepPOATie` (p. ??).

2.15.2.7 int ImageDataOperations::dimensionSize (int i)

Reimplemented in `_ImageDataStub` (p. ??), `_ImageRepStub` (p. ??), `ImageDataPOATie` (p. ??), and `ImageRepPOATie` (p. ??).

2.15.2.8 ImageSignature ImageDataOperations::signature ()

Reimplemented in `_ImageDataStub` (p. ??), `_ImageRepStub` (p. ??), `ImageDataPOATie` (p. ??), and `ImageRepPOATie` (p. ??).

2.15.2.9 int [] ImageDataOperations::getRgb2d (String *displayMode*)

Reimplemented in `_ImageDataStub` (p. ??), `_ImageRepStub` (p. ??), `ImageDataPOATie` (p. ??), and `ImageRepPOATie` (p. ??).

2.15.2.10 void ImageDataOperations::fillRgb2d (RgbBuffer *buf*, String *displayMode*)

Reimplemented in `_ImageDataStub` (p. ??), `_ImageRepStub` (p. ??), `ImageDataPOATie` (p. ??), and `ImageRepPOATie` (p. ??).

2.15.2.11 ImageRepRgbSource ImageDataOperations::getRgbSource ()

Reimplemented in `_ImageDataStub` (p. ??), `_ImageRepStub` (p. ??), `ImageDataPOATie` (p. ??), and `ImageRepPOATie` (p. ??).

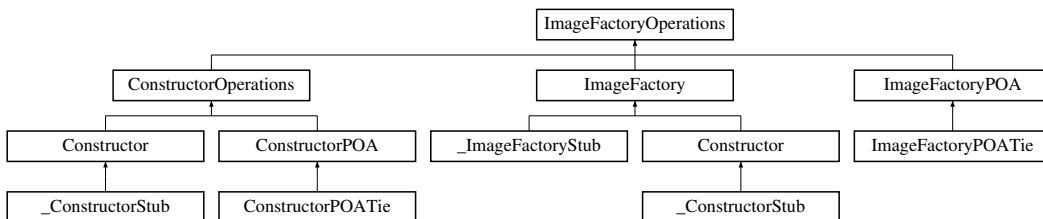
The documentation for this interface was generated from the following file:

- `ImageDataOperations.java`

2.16 ImageFactoryOperations Interface Reference

A factory for `ImageRep` (p. ??)'s.

Inheritance diagram for `ImageFactoryOperations`:



Public Methods

- `ImageRep importImage (ImageData data)`
- `ImageRep fromSignature (ImageSignature sig, Sizes size)`
- `ImageRep fromImage (ImageSignature sig, ImageRep src)`
- `ImageRep fromValue (ImageSignature sig, Sizes size, PixValue val)`
- `ImageRep fromByteData (int pixelDimensionality, int dimensions, Sizes size, byte[] data)`
- `ImageRep fromShortData (int pixelDimensionality, int dimensions, Sizes size, short[] data)`
- `ImageRep fromIntData (int pixelDimensionality, int dimensions, Sizes size, int[] data)`
- `ImageRep fromFloatData (int pixelDimensionality, int dimensions, Sizes size, float[] data)`

- ImageRep fromDoubleData (int pixelDimensionality, int dimensions, Sizes size, double[] data)
- ImageRep fromJavaRgb (ImageSignature sig, Sizes size, int[] pixels)
- ImageRep fromGrayValue (ImageSignature sig, Sizes size, byte[] pixels)
- ImageRep fromMatlab (ImageSignature sig, Sizes size, double[] pixels)
- ImageRep fromNamedGenerator (ImageSignature sig, String generatorName, TagList tags)
- ImageRep fromImport (ImageSignature sig, Sizes size, String importOp, TagList tags)
- ImageRep from2Images (ImageRep i1, ImageRep i2)
- ImageRep from3Images (ImageRep i1, ImageRep i2, ImageRep i3)
- ImageRep fromFile (String fileName)

2.16.1 Detailed Description

A factory for ImageRep (p. ??)'s.

2.16.2 Member Function Documentation

2.16.2.1 ImageRep ImageFactoryOperations::importImage (ImageData *data*)

Reimplemented in _ConstructorStub (p. ??), _ImageFactoryStub (p. ??), ConstructorPOATie (p. ??), and ImageFactoryPOATie (p. ??).

2.16.2.2 ImageRep ImageFactoryOperations::fromSignature (ImageSignature *sig*, Sizes *size*)

Reimplemented in _ConstructorStub (p. ??), _ImageFactoryStub (p. ??), ConstructorPOATie (p. ??), and ImageFactoryPOATie (p. ??).

2.16.2.3 ImageRep ImageFactoryOperations::fromImage (ImageSignature *sig*, ImageRep *src*)

Reimplemented in _ConstructorStub (p. ??), _ImageFactoryStub (p. ??), ConstructorPOATie (p. ??), and ImageFactoryPOATie (p. ??).

2.16.2.4 ImageRep ImageFactoryOperations::fromValue (ImageSignature *sig*, Sizes *size*, PixValue *val*)

Reimplemented in _ConstructorStub (p. ??), _ImageFactoryStub (p. ??), ConstructorPOATie (p. ??), and ImageFactoryPOATie (p. ??).

2.16.2.5 ImageRep ImageFactoryOperations::fromByteData (int *pixelDimensionality*, int *dimensions*, Sizes *size*, byte *data*[])

Reimplemented in _ConstructorStub (p. ??), _ImageFactoryStub (p. ??), ConstructorPOATie (p. ??), and ImageFactoryPOATie (p. ??).

2.16.2.6 ImageRep ImageFactoryOperations::fromShortData (int *pixelDimensionality*, int *dimensions*, Sizes *size*, short *data*[])

Reimplemented in _ConstructorStub (p. ??), _ImageFactoryStub (p. ??), ConstructorPOATie (p. ??), and ImageFactoryPOATie (p. ??).

2.16.2.7 ImageRep ImageFactoryOperations::fromIntData (int *pixelDimensionality*, int *dimensions*, Sizes *size*, int *data*[])

Reimplemented in `_ConstructorStub` (p. ??), `_ImageFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `ImageFactoryPOATie` (p. ??).

2.16.2.8 ImageRep ImageFactoryOperations::fromFloatData (int *pixelDimensionality*, int *dimensions*, Sizes *size*, float *data*[])

Reimplemented in `_ConstructorStub` (p. ??), `_ImageFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `ImageFactoryPOATie` (p. ??).

2.16.2.9 ImageRep ImageFactoryOperations::fromDoubleData (int *pixelDimensionality*, int *dimensions*, Sizes *size*, double *data*[])

Reimplemented in `_ConstructorStub` (p. ??), `_ImageFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `ImageFactoryPOATie` (p. ??).

2.16.2.10 ImageRep ImageFactoryOperations::fromJavaRgb (ImageSignature *sig*, Sizes *size*, int *pixels*[])

Reimplemented in `_ConstructorStub` (p. ??), `_ImageFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `ImageFactoryPOATie` (p. ??).

2.16.2.11 ImageRep ImageFactoryOperations::fromGrayValue (ImageSignature *sig*, Sizes *size*, byte *pixels*[])

Reimplemented in `_ConstructorStub` (p. ??), `_ImageFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `ImageFactoryPOATie` (p. ??).

2.16.2.12 ImageRep ImageFactoryOperations::fromMatlab (ImageSignature *sig*, Sizes *size*, double *pixels*[])

Reimplemented in `_ConstructorStub` (p. ??), `_ImageFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `ImageFactoryPOATie` (p. ??).

2.16.2.13 ImageRep ImageFactoryOperations::fromNamedGenerator (ImageSignature *sig*, String *generatorName*, TagList *tags*)

Reimplemented in `_ConstructorStub` (p. ??), `_ImageFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `ImageFactoryPOATie` (p. ??).

2.16.2.14 ImageRep ImageFactoryOperations::fromImport (ImageSignature *sig*, Sizes *size*, String *importOp*, TagList *tags*)

Reimplemented in `_ConstructorStub` (p. ??), `_ImageFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `ImageFactoryPOATie` (p. ??).

2.16.2.15 ImageRep ImageFactoryOperations::from2Images (ImageRep *i1*, ImageRep *i2*)

Reimplemented in `_ConstructorStub` (p. ??), `_ImageFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `ImageFactoryPOATie` (p. ??).

2.16.2.16 ImageRep ImageFactoryOperations::from3Images (ImageRep *i1*, ImageRep *i2*, ImageRep *i3*)

Reimplemented in `_ConstructorStub` (p. ??), `_ImageFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `ImageFactoryPOATie` (p. ??).

2.16.2.17 ImageRep ImageFactoryOperations::fromFile (String *fileName*)

Reimplemented in `_ConstructorStub` (p. ??), `_ImageFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `ImageFactoryPOATie` (p. ??).

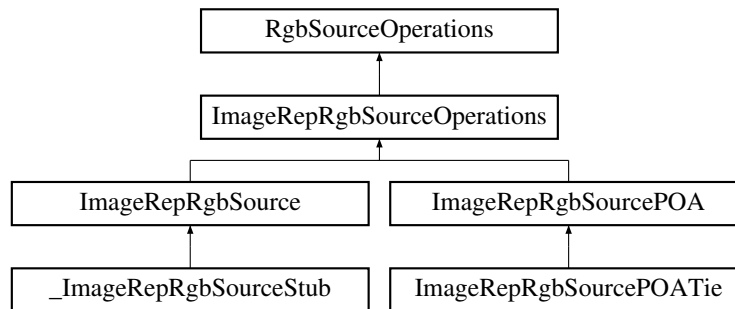
The documentation for this interface was generated from the following file:

- `ImageFactoryOperations.java`

2.17 ImageRepRgbSourceOperations Interface Reference

An `RgbSource` (p. ??) for display of `ImageRep` (p. ??)'s.

Inheritance diagram for `ImageRepRgbSourceOperations`:



Public Methods

- `void setDisplayMode (String displayMode)`
- `String getDisplayMode ()`
- `void setSize (Sizes newSize)`
- `void setMaxSize (Sizes maxSize)`
- `void scale (float factor)`
- `void setTransferSize (int nLines)`
- `int getTransferSize ()`
- `void setTransferPos (int line)`
- `int getTransferPos ()`
- `Sizes getSizes ()`

- Sizes getOriginalSizes ()
- void close ()

2.17.1 Detailed Description

An RgbSource (p. ??) for display of ImageRep (p. ??)'s.

2.17.2 Member Function Documentation

2.17.2.1 void ImageRepRgbSourceOperations::setDisplayMode (String *displayMode*)

Reimplemented in `_ImageRepRgbSourceStub` (p. ??), and `ImageRepRgbSourcePOATie` (p. ??).

2.17.2.2 String ImageRepRgbSourceOperations::getDisplayMode ()

Reimplemented in `_ImageRepRgbSourceStub` (p. ??), and `ImageRepRgbSourcePOATie` (p. ??).

2.17.2.3 void ImageRepRgbSourceOperations::setSize (Sizes *newSize*)

Reimplemented in `_ImageRepRgbSourceStub` (p. ??), and `ImageRepRgbSourcePOATie` (p. ??).

2.17.2.4 void ImageRepRgbSourceOperations::setMaxSize (Sizes *maxSize*)

Reimplemented in `_ImageRepRgbSourceStub` (p. ??), and `ImageRepRgbSourcePOATie` (p. ??).

2.17.2.5 void ImageRepRgbSourceOperations::scale (float *factor*)

Reimplemented in `_ImageRepRgbSourceStub` (p. ??), and `ImageRepRgbSourcePOATie` (p. ??).

2.17.2.6 void ImageRepRgbSourceOperations::setTransferSize (int *nLines*)

Reimplemented in `_ImageRepRgbSourceStub` (p. ??), and `ImageRepRgbSourcePOATie` (p. ??).

2.17.2.7 int ImageRepRgbSourceOperations::getTransferSize ()

Reimplemented in `_ImageRepRgbSourceStub` (p. ??), and `ImageRepRgbSourcePOATie` (p. ??).

2.17.2.8 void ImageRepRgbSourceOperations::setTransferPos (int *line*)

Reimplemented in `_ImageRepRgbSourceStub` (p. ??), and `ImageRepRgbSourcePOATie` (p. ??).

2.17.2.9 int ImageRepRgbSourceOperations::getTransferPos ()

Reimplemented in `_ImageRepRgbSourceStub` (p. ??), and `ImageRepRgbSourcePOATie` (p. ??).

2.17.2.10 Sizes ImageRepRgbSourceOperations::getSizes ()

Reimplemented in `_ImageRepRgbSourceStub` (p. ??), and `ImageRepRgbSourcePOATie` (p. ??).

2.17.2.11 Sizes ImageRepRgbSourceOperations::getOriginalSizes ()

Reimplemented in `_ImageRepRgbSourceStub` (p. ??), and `ImageRepRgbSourcePOATie` (p. ??).

2.17.2.12 void ImageRepRgbSourceOperations::close ()

Reimplemented in `_ImageRepRgbSourceStub` (p. ??), and `ImageRepRgbSourcePOATie` (p. ??).

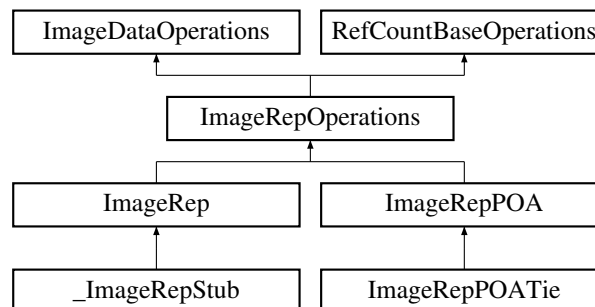
The documentation for this interface was generated from the following file:

- `ImageRepRgbSourceOperations.java`

2.18 ImageRepOperations Interface Reference

An image representation (`HxImageRep` in C++).

Inheritance diagram for `ImageRepOperations`:



Public Methods

- `ImageRep binaryPixOp (ImageRep arg, String bpoName, TagList tags)` throws `ImageException`
- `ImageRep binaryPixOpVal (PixValue arg, String bpoName, TagList tags)` throws `ImageException`
- `ImageRep unaryPixOp (String upoName, TagList tags)` throws `ImageException`
- `ImageRep multiPixOp (ImageRep[] args, String mpoName, TagList tags)` throws `ImageException`
- `ImageRep[] MNPixOp (ImageRep[] args, String mpoName, TagList tags)` throws `ImageException`
- `PixValue reduceOp (String op, TagList tags)` throws `ImageException`
- `ImageRep generalizedConvolution (ImageRep kernel, String gMul, String gAdd, ResultPrecision resPrec, TagList tags)` throws `ImageException`
- `ImageRep genConv2dSep (ImageRep kernel1, ImageRep kernel2, String gMul, String gAdd, ResultPrecision resPrec, TagList tags)` throws `ImageException`

- ImageRep recGenConv (ImageRep kerImg, String gMul, String gAdd, ResultPrecision resPrec, TagList tags) throws ImageException
- ImageRep neighbourhoodOp (String ngbName, TagList tags) throws ImageException
- ImageRep geometricOp2d (Matrix func, GeoIntType gi, GeoTransType gt, boolean adjustSize, PixValue background) throws ImageException
- ImageRep scale (double sx, double sy, GeoIntType gi)
- PixValue getAt (int x, int y, int zz)
- void destroy ()

2.18.1 Detailed Description

An image representation (HxImageRep in C++).

2.18.2 Member Function Documentation

2.18.2.1 ImageRep ImageRepOperations::binaryPixOp (ImageRep *arg*, String *bpoName*, TagList *tags*)

Reimplemented in `_ImageRepStub` (p. ??), and `ImageRepPOATie` (p. ??).

2.18.2.2 ImageRep ImageRepOperations::binaryPixOpVal (PixValue *arg*, String *bpoName*, TagList *tags*)

Reimplemented in `_ImageRepStub` (p. ??), and `ImageRepPOATie` (p. ??).

2.18.2.3 ImageRep ImageRepOperations::unaryPixOp (String *upoName*, TagList *tags*)

Reimplemented in `_ImageRepStub` (p. ??), and `ImageRepPOATie` (p. ??).

2.18.2.4 ImageRep ImageRepOperations::multiPixOp (ImageRep *args*[], String *mpoName*, TagList *tags*)

Reimplemented in `_ImageRepStub` (p. ??), and `ImageRepPOATie` (p. ??).

2.18.2.5 ImageRep [] ImageRepOperations::MNPixOp (ImageRep *args*[], String *mpoName*, TagList *tags*)

Reimplemented in `_ImageRepStub` (p. ??), and `ImageRepPOATie` (p. ??).

2.18.2.6 PixValue ImageRepOperations::reduceOp (String *op*, TagList *tags*)

Reimplemented in `_ImageRepStub` (p. ??), and `ImageRepPOATie` (p. ??).

2.18.2.7 ImageRep ImageRepOperations::generalizedConvolution (ImageRep *kernel*, String *gMul*, String *gAdd*, ResultPrecision *resPrec*, TagList *tags*)

Reimplemented in `_ImageRepStub` (p. ??), and `ImageRepPOATie` (p. ??).

2.18.2.8 ImageRep ImageRepOperations::genConv2dSep (ImageRep *kernel1*, ImageRep *kernel2*, String *gMul*, String *gAdd*, ResultPrecision *resPrec*, TagList *tags*)

Reimplemented in `_ImageRepStub` (p. ??), and `ImageRepPOATie` (p. ??).

2.18.2.9 ImageRep ImageRepOperations::recGenConv (ImageRep *kerImg*, String *gMul*, String *gAdd*, ResultPrecision *resPrec*, TagList *tags*)

Reimplemented in `_ImageRepStub` (p. ??), and `ImageRepPOATie` (p. ??).

2.18.2.10 ImageRep ImageRepOperations::neighbourhoodOp (String *ngbName*, TagList *tags*)

Reimplemented in `_ImageRepStub` (p. ??), and `ImageRepPOATie` (p. ??).

2.18.2.11 ImageRep ImageRepOperations::geometricOp2d (Matrix *func*, GeoIntType *gi*, GeoTransType *gt*, boolean *adjustSize*, PixValue *background*)

Reimplemented in `_ImageRepStub` (p. ??), and `ImageRepPOATie` (p. ??).

2.18.2.12 ImageRep ImageRepOperations::scale (double *sx*, double *sy*, GeoIntType *gi*)

Reimplemented in `_ImageRepStub` (p. ??), and `ImageRepPOATie` (p. ??).

2.18.2.13 PixValue ImageRepOperations::getAt (int *x*, int *y*, int *zz*)

Reimplemented in `_ImageRepStub` (p. ??), and `ImageRepPOATie` (p. ??).

2.18.2.14 void ImageRepOperations::destroy ()

Reimplemented in `_ImageRepStub` (p. ??), and `ImageRepPOATie` (p. ??).

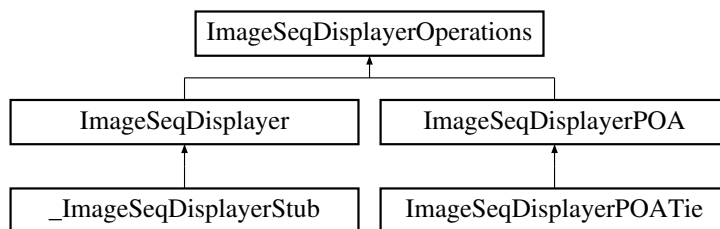
The documentation for this interface was generated from the following file:

- `ImageRepOperations.java`

2.19 ImageSeqDisplayerOperations Interface Reference

Deprecated.

Inheritance diagram for `ImageSeqDisplayerOperations`:



Public Methods

- `int[] getRgb2d (int frameNr)`
- `void fillRgb2d (int frameNr, RgbBuffer buf)`
- `int nrFrames ()`
- `void setDisplayMode (String displayMode)`
- `String getDisplayMode ()`
- `void setSize (Sizes newSize)`
- `Sizes getSizes ()`
- `Sizes getOriginalSizes ()`
- `void close ()`

2.19.1 Detailed Description

Deprecated.

2.19.2 Member Function Documentation

2.19.2.1 `int [] ImageSeqDisplayerOperations::getRgb2d (int frameNr)`

Reimplemented in `_ImageSeqDisplayerStub` (p. ??), and `ImageSeqDisplayerPOATie` (p. ??).

2.19.2.2 `void ImageSeqDisplayerOperations::fillRgb2d (int frameNr, RgbBuffer buf)`

Reimplemented in `_ImageSeqDisplayerStub` (p. ??), and `ImageSeqDisplayerPOATie` (p. ??).

2.19.2.3 `int ImageSeqDisplayerOperations::nrFrames ()`

Reimplemented in `_ImageSeqDisplayerStub` (p. ??), and `ImageSeqDisplayerPOATie` (p. ??).

2.19.2.4 `void ImageSeqDisplayerOperations::setDisplayMode (String displayMode)`

Reimplemented in `_ImageSeqDisplayerStub` (p. ??), and `ImageSeqDisplayerPOATie` (p. ??).

2.19.2.5 `String ImageSeqDisplayerOperations::getDisplayMode ()`

Reimplemented in `_ImageSeqDisplayerStub` (p. ??), and `ImageSeqDisplayerPOATie` (p. ??).

2.19.2.6 `void ImageSeqDisplayerOperations::setSize (Sizes newSize)`

Reimplemented in `_ImageSeqDisplayerStub` (p. ??), and `ImageSeqDisplayerPOATie` (p. ??).

2.19.2.7 `Sizes ImageSeqDisplayerOperations::getSizes ()`

Reimplemented in `_ImageSeqDisplayerStub` (p. ??), and `ImageSeqDisplayerPOATie` (p. ??).

2.19.2.8 Sizes ImageSeqDisplayerOperations::getOriginalSizes ()

Reimplemented in ImageSeqDisplayerStub (p. ??), and ImageSeqDisplayerPOATie (p. ??).

2.19.2.9 void ImageSeqDisplayerOperations::close ()

Reimplemented in ImageSeqDisplayerStub (p. ??), and ImageSeqDisplayerPOATie (p. ??).

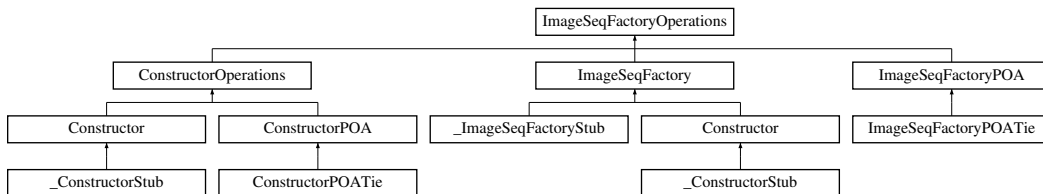
The documentation for this interface was generated from the following file:

- ImageSeqDisplayerOperations.java

2.20 ImageSeqFactoryOperations Interface Reference

A factory for ImageSeq (p. ??)'s.

Inheritance diagram for ImageSeqFactoryOperations::

**Public Methods**

- ImageSeq constructImageSeq (String name)
- ImageSeq constructBufferedImageSeq (String name, int bufSize)
- void setUseMDC (int flag)

2.20.1 Detailed Description

A factory for ImageSeq (p. ??)'s.

2.20.2 Member Function Documentation**2.20.2.1** ImageSeq ImageSeqFactoryOperations::constructImageSeq (String name)

Reimplemented in _ConstructorStub (p. ??), _ImageSeqFactoryStub (p. ??), ConstructorPOATie (p. ??), and ImageSeqFactoryPOATie (p. ??).

2.20.2.2 ImageSeq ImageSeqFactoryOperations::constructBufferedImageSeq (String name, int bufSize)

Reimplemented in _ConstructorStub (p. ??), _ImageSeqFactoryStub (p. ??), ConstructorPOATie (p. ??), and ImageSeqFactoryPOATie (p. ??).

2.20.2.3 void ImageSeqFactoryOperations::setUseMDC (int *flag*)

Reimplemented in `_ConstructorStub` (p. ??), `_ImageSeqFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `ImageSeqFactoryPOATie` (p. ??).

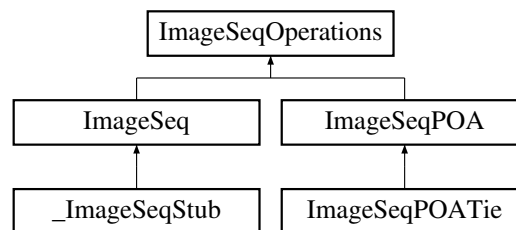
The documentation for this interface was generated from the following file:

- `ImageSeqFactoryOperations.java`

2.21 ImageSeqOperations Interface Reference

An image sequence (HxImageSeq in C++).

Inheritance diagram for `ImageSeqOperations`:



Public Methods

- `ImageRep getFrame (int frameNr)`
- `int nrFrames ()`
- `Sizes frameSizes ()`
- `int[] getRgb2d (int frameNr, String displayMode)`
- `void fillRgb2d (int frameNr, RgbBuffer buf, String displayMode)`
- `ImageSeqDisplayer getDisplayer ()`
- `VxSegmentation findCuts (TagList tags)`
- `void destroy ()`

2.21.1 Detailed Description

An image sequence (HxImageSeq in C++).

2.21.2 Member Function Documentation

2.21.2.1 ImageRep ImageSeqOperations::getFrame (int *frameNr*)

Reimplemented in `_ImageSeqStub` (p. ??), and `ImageSeqPOATie` (p. ??).

2.21.2.2 int ImageSeqOperations::nrFrames ()

Reimplemented in `_ImageSeqStub` (p. ??), and `ImageSeqPOATie` (p. ??).

2.21.2.3 Sizes ImageSeqOperations::framesizes ()

Reimplemented in `_ImageSeqStub` (p. ??), and `ImageSeqPOATie` (p. ??).

2.21.2.4 int [] ImageSeqOperations::getRgb2d (int frameNr, String displayMode)

Reimplemented in `_ImageSeqStub` (p. ??), and `ImageSeqPOATie` (p. ??).

2.21.2.5 void ImageSeqOperations::fillRgb2d (int frameNr, RgbBuffer buf, String displayMode)

Reimplemented in `_ImageSeqStub` (p. ??), and `ImageSeqPOATie` (p. ??).

2.21.2.6 ImageSeqDisplayer ImageSeqOperations::getDisplayer ()

Reimplemented in `_ImageSeqStub` (p. ??), and `ImageSeqPOATie` (p. ??).

2.21.2.7 VxSegmentation ImageSeqOperations::findCuts (TagList tags)

Reimplemented in `_ImageSeqStub` (p. ??), and `ImageSeqPOATie` (p. ??).

2.21.2.8 void ImageSeqOperations::destroy ()

Reimplemented in `_ImageSeqStub` (p. ??), and `ImageSeqPOATie` (p. ??).

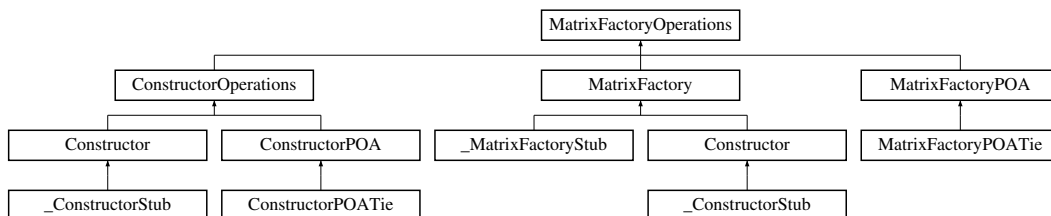
The documentation for this interface was generated from the following file:

- `ImageSeqOperations.java`

2.22 MatrixFactoryOperations Interface Reference

A factory for `Matrix` (p. ??)'s.

Inheritance diagram for `MatrixFactoryOperations`:



Public Methods

- `Matrix translate2d (double x, double y)`
- `Matrix scale2d (double sx, double sy)`
- `Matrix rotate2d (double alpha)`

- Matrix rotate2dDeg (double alpha)
- Matrix reflect2d (boolean doX, boolean doY)
- Matrix shear2d (double sx, double sy)
- Matrix translate3d (double x, double y, double z)
- Matrix scale3d (double sx, double sy, double sz)
- Matrix rotateX3d (double alpha)
- Matrix rotateX3dDeg (double alpha)
- Matrix rotateY3d (double alpha)
- Matrix rotateY3dDeg (double alpha)
- Matrix rotateZ3d (double alpha)
- Matrix rotateZ3dDeg (double alpha)
- Matrix reflect3d (boolean doX, boolean doY, boolean doZ)
- Matrix projection (double f)
- Matrix camera (double f)
- Matrix lift2dTo3dXY ()

2.22.1 Detailed Description

A factory for Matrix (p. ??)'s.

2.22.2 Member Function Documentation

2.22.2.1 Matrix MatrixFactoryOperations::translate2d (double x, double y)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.2 Matrix MatrixFactoryOperations::scale2d (double sx, double sy)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.3 Matrix MatrixFactoryOperations::rotate2d (double *alpha*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.4 Matrix MatrixFactoryOperations::rotate2dDeg (double *alpha*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.5 Matrix MatrixFactoryOperations::reflect2d (boolean *doX*, boolean *doY*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.6 Matrix MatrixFactoryOperations::shear2d (double *sx*, double *sy*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.7 Matrix MatrixFactoryOperations::translate3d (double *x*, double *y*, double *z*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.8 Matrix MatrixFactoryOperations::scale3d (double *sx*, double *sy*, double *sz*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.9 Matrix MatrixFactoryOperations::rotateX3d (double *alpha*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.10 Matrix MatrixFactoryOperations::rotateX3dDeg (double *alpha*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.11 Matrix MatrixFactoryOperations::rotateY3d (double *alpha*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.12 Matrix MatrixFactoryOperations::rotateY3dDeg (double *alpha*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.13 Matrix MatrixFactoryOperations::rotateZ3d (double *alpha*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.14 Matrix MatrixFactoryOperations::rotateZ3dDeg (double *alpha*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.15 Matrix `MatrixFactoryOperations::reflect3d` (boolean *doX*, boolean *doY*, boolean *doZ*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.16 Matrix `MatrixFactoryOperations::projection` (double *f*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.17 Matrix `MatrixFactoryOperations::camera` (double *f*)

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

2.22.2.18 Matrix `MatrixFactoryOperations::lift2dTo3dXY` ()

Reimplemented in `_ConstructorStub` (p. ??), `_MatrixFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `MatrixFactoryPOATie` (p. ??).

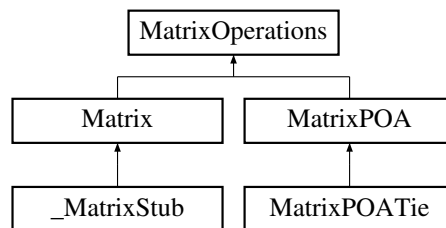
The documentation for this interface was generated from the following file:

- `MatrixFactoryOperations.java`

2.23 MatrixOperations Interface Reference

A matrix (`HxMatrix` in C++).

Inheritance diagram for `MatrixOperations`:



2.23.1 Detailed Description

A matrix (`HxMatrix` in C++).

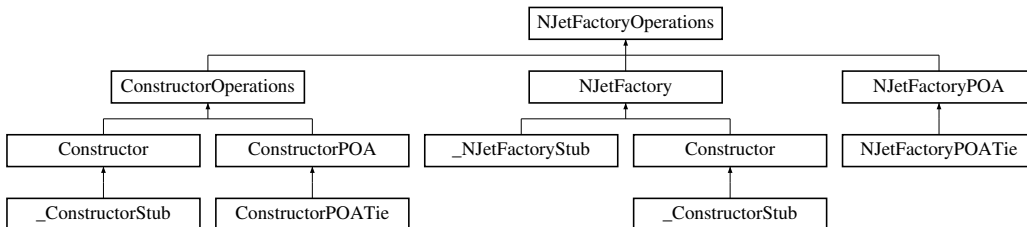
The documentation for this interface was generated from the following file:

- `MatrixOperations.java`

2.24 NJetFactoryOperations Interface Reference

A factory for NJet (p. ??)'s.

Inheritance diagram for NJetFactoryOperations::



Public Methods

- NJet makeNJet (ImageRep im, int N, double scale, double precision)

2.24.1 Detailed Description

A factory for NJet (p. ??)'s.

2.24.2 Member Function Documentation

2.24.2.1 NJet NJetFactoryOperations::makeNJet (ImageRep *im*, int *N*, double *scale*, double *precision*)

Reimplemented in `_ConstructorStub` (p. ??), `_NJetFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `NJetFactoryPOATie` (p. ??).

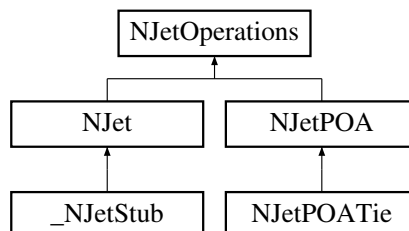
The documentation for this interface was generated from the following file:

- NJetFactoryOperations.java

2.25 NJetOperations Interface Reference

An Njet (HxNJet in C++).

Inheritance diagram for NJetOperations::



Public Methods

- `int order ()`
- `double scale ()`
- `int nrComponents ()`
- `boolean isColor ()`
- `ImageRep getLidx (int i)`
- `ImageRep getJidx (int i)`
- `ImageRep getMidx (int i)`
- `ImageRep xy (int x, int y)`
- `ImageRep xyz (int x, int y, int z)`
- `ImageRep xyl (int x, int y, int l)`
- `ImageRep xyzl (int x, int y, int z, int l)`
- `ImageRep[] getLList ()`
- `ImageRep[] getJList ()`
- `ImageRep[] getMList ()`
- `ImageRep[] getList ()`
- `ImageRep getLw ()`
- `ImageRep getJw ()`
- `ImageRep getMw ()`

2.25.1 Detailed Description

An Njet (HxNJet in C++).

2.25.2 Member Function Documentation

2.25.2.1 `int NJetOperations::order ()`

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.2 `double NJetOperations::scale ()`

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.3 `int NJetOperations::nrComponents ()`

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.4 `boolean NJetOperations::isColor ()`

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.5 `ImageRep NJetOperations::getLidx (int i)`

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.6 ImageRep NJetOperations::getJidx (int *i*)

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.7 ImageRep NJetOperations::getMidx (int *i*)

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.8 ImageRep NJetOperations::xy (int *x*, int *y*)

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.9 ImageRep NJetOperations::xyz (int *x*, int *y*, int *z*)

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.10 ImageRep NJetOperations::xyl (int *x*, int *y*, int *l*)

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.11 ImageRep NJetOperations::xyzl (int *x*, int *y*, int *z*, int *l*)

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.12 ImageRep [] NJetOperations::getLList ()

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.13 ImageRep [] NJetOperations::getJList ()

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.14 ImageRep [] NJetOperations::getMList ()

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.15 ImageRep [] NJetOperations::getList ()

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.16 ImageRep NJetOperations::getLw ()

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.17 ImageRep NJetOperations::getJw ()

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

2.25.2.18 ImageRep NJetOperations::getMw ()

Reimplemented in `_NJetStub` (p. ??), and `NJetPOATie` (p. ??).

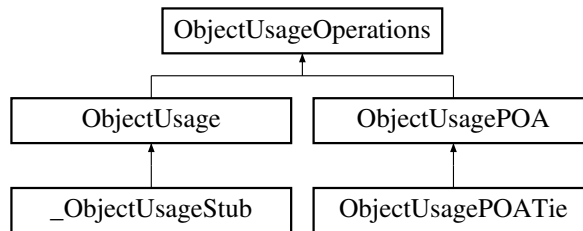
The documentation for this interface was generated from the following file:

- `NJetOperations.java`

2.26 ObjectUsageOperations Interface Reference

Interface to configure object management in the Horus server.

Inheritance diagram for `ObjectUsageOperations`:



Public Methods

- `int getUsed (String unit)`
- `int getTotalLimit (String unit)`
- `void setTotalLimit (String unit, int limit)`
- `int getObjectLimit (String unit)`
- `void setObjectLimit (String unit, int limit)`
- `String[] listUnits ()`
- `void close ()`

2.26.1 Detailed Description

Interface to configure object management in the Horus server.

2.26.2 Member Function Documentation

2.26.2.1 `int ObjectUsageOperations::getUsed (String unit)`

Reimplemented in `_ObjectUsageStub` (p. ??), and `ObjectUsagePOATie` (p. ??).

2.26.2.2 `int ObjectUsageOperations::getTotalLimit (String unit)`

Reimplemented in `_ObjectUsageStub` (p. ??), and `ObjectUsagePOATie` (p. ??).

2.26.2.3 `void ObjectUsageOperations::setTotalLimit (String unit, int limit)`

Reimplemented in `_ObjectUsageStub` (p. ??), and `ObjectUsagePOATie` (p. ??).

2.26.2.4 `int ObjectUsageOperations::getObjectLimit (String unit)`

Reimplemented in `_ObjectUsageStub` (p. ??), and `ObjectUsagePOATie` (p. ??).

2.26.2.5 `void ObjectUsageOperations::setObjectLimit (String unit, int limit)`

Reimplemented in `_ObjectUsageStub` (p. ??), and `ObjectUsagePOATie` (p. ??).

2.26.2.6 `String [] ObjectUsageOperations::listUnits ()`

Reimplemented in `_ObjectUsageStub` (p. ??), and `ObjectUsagePOATie` (p. ??).

2.26.2.7 `void ObjectUsageOperations::close ()`

Reimplemented in `_ObjectUsageStub` (p. ??), and `ObjectUsagePOATie` (p. ??).

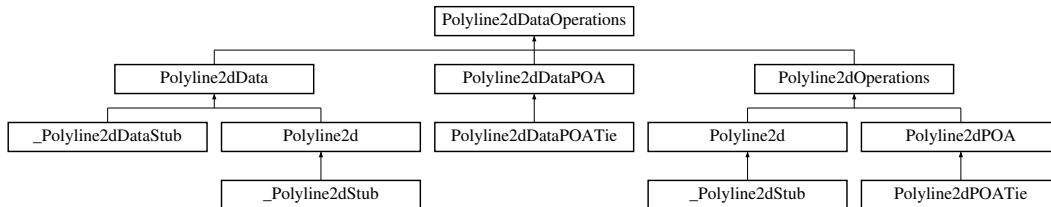
The documentation for this interface was generated from the following file:

- `ObjectUsageOperations.java`

2.27 Polyline2dDataOperations Interface Reference

All polyline data related functionality.

Inheritance diagram for `Polyline2dDataOperations::`



Public Methods

- `boolean getClosed ()`
- `int getNrPoints ()`
- `PointR2 getPoint (int i)`
- `PointR2[] getPoints ()`

2.27.1 Detailed Description

All polyline data related functionality.

2.27.2 Member Function Documentation

2.27.2.1 boolean Polyline2dDataOperations::getClosed ()

Reimplemented in `_Polyline2dDataStub` (p. ??), `_Polyline2dStub` (p. ??), `Polyline2dDataPOATie` (p. ??), and `Polyline2dPOATie` (p. ??).

2.27.2.2 int Polyline2dDataOperations::getNrPoints ()

Reimplemented in `_Polyline2dDataStub` (p. ??), `_Polyline2dStub` (p. ??), `Polyline2dDataPOATie` (p. ??), and `Polyline2dPOATie` (p. ??).

2.27.2.3 PointR2 Polyline2dDataOperations::getPoint (int *i*)

Reimplemented in `_Polyline2dDataStub` (p. ??), `_Polyline2dStub` (p. ??), `Polyline2dDataPOATie` (p. ??), and `Polyline2dPOATie` (p. ??).

2.27.2.4 PointR2 [] Polyline2dDataOperations::getPoints ()

Reimplemented in `_Polyline2dDataStub` (p. ??), `_Polyline2dStub` (p. ??), `Polyline2dDataPOATie` (p. ??), and `Polyline2dPOATie` (p. ??).

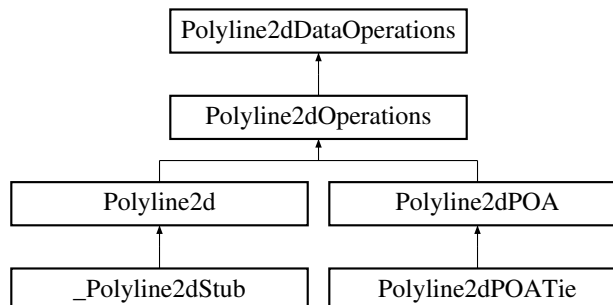
The documentation for this interface was generated from the following file:

- `Polyline2dDataOperations.java`

2.28 Polyline2dOperations Interface Reference

A polyline in 2D (HxPolyline2d in C++).

Inheritance diagram for Polyline2dOperations::



2.28.1 Detailed Description

A polyline in 2D (HxPolyline2d in C++).

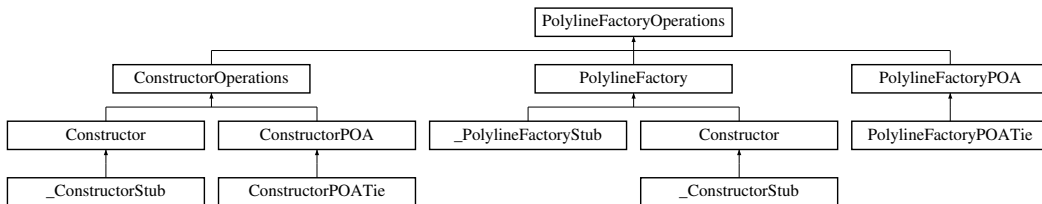
The documentation for this interface was generated from the following file:

- Polyline2dOperations.java

2.29 PolylineFactoryOperations Interface Reference

A factory for Polyline2d (p. ??)'s.

Inheritance diagram for PolylineFactoryOperations::



Public Methods

- Polyline2d importPolyline (Polyline2dData data)
- Polyline2d createPolyline (PointR2[] points, boolean closed)

2.29.1 Detailed Description

A factory for Polyline2d (p. ??)'s.

2.29.2 Member Function Documentation

2.29.2.1 Polyline2d PolylineFactoryOperations::importPolyline (Polyline2dData data)

Reimplemented in _ConstructorStub (p. ??), _PolylineFactoryStub (p. ??), ConstructorPOATie (p. ??), and PolylineFactoryPOATie (p. ??).

2.29.2.2 Polyline2d PolylineFactoryOperations::createPolyline (PointR2 points[], boolean closed)

Reimplemented in _ConstructorStub (p. ??), _PolylineFactoryStub (p. ??), ConstructorPOATie (p. ??), and PolylineFactoryPOATie (p. ??).

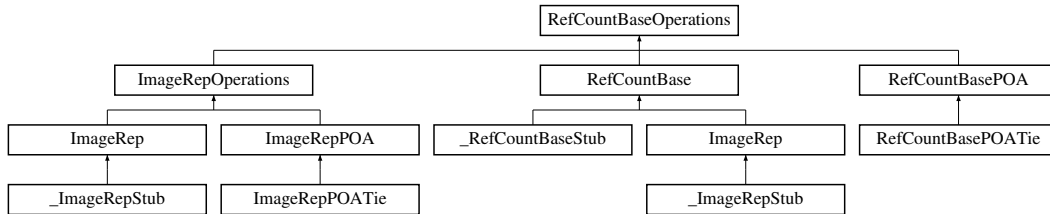
The documentation for this interface was generated from the following file:

- PolylineFactoryOperations.java

2.30 RefCountBaseOperations Interface Reference

Base class for all reference counted objects.

Inheritance diagram for RefCountBaseOperations::



Public Methods

- void addRef ()
- void removeRef ()

2.30.1 Detailed Description

Base class for all reference counted objects.

2.30.2 Member Function Documentation

2.30.2.1 void RefCountBaseOperations::addRef ()

Reimplemented in `_ImageRepStub` (p. ??), `_RefCountBaseStub` (p. ??), `ImageRepPOATie` (p. ??), and `RefCountBasePOATie` (p. ??).

2.30.2.2 void RefCountBaseOperations::removeRef ()

Reimplemented in `_ImageRepStub` (p. ??), `_RefCountBaseStub` (p. ??), `ImageRepPOATie` (p. ??), and `RefCountBasePOATie` (p. ??).

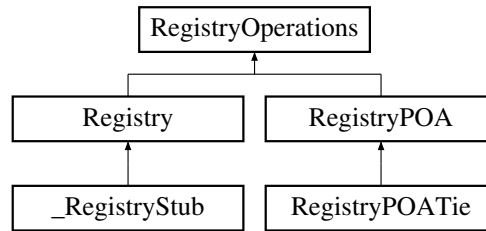
The documentation for this interface was generated from the following file:

- `RefCountBaseOperations.java`

2.31 RegistryOperations Interface Reference

The registry (HxRegistry in C++).

Inheritance diagram for RegistryOperations::



Public Methods

- `String[] getKeyNames (String cursorKey)`
- `String[] getValueNames (String cursorKey)`
- `String[] getValueData (String cursorKey)`

2.31.1 Detailed Description

The registry (`HxRegistry` in C++).

2.31.2 Member Function Documentation

2.31.2.1 `String [] RegistryOperations::getKeyNames (String cursorKey)`

Reimplemented in `_RegistryStub` (p. ??), and `RegistryPOATie` (p. ??).

2.31.2.2 `String [] RegistryOperations::getValueNames (String cursorKey)`

Reimplemented in `_RegistryStub` (p. ??), and `RegistryPOATie` (p. ??).

2.31.2.3 `String [] RegistryOperations::getValueData (String cursorKey)`

Reimplemented in `_RegistryStub` (p. ??), and `RegistryPOATie` (p. ??).

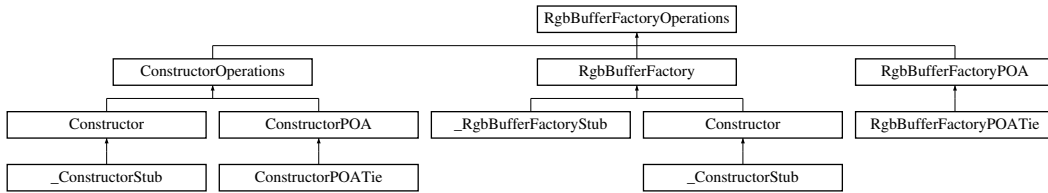
The documentation for this interface was generated from the following file:

- `RegistryOperations.java`

2.32 RgbBufferFactoryOperations Interface Reference

Factory for `RgbBuffer` (p. ??)'s.

Inheritance diagram for `RgbBufferFactoryOperations`:



Public Methods

- **RgbBuffer** `createRgbBuffer (int size)`
Create an RgbBuffer (p. ??) with given size.

2.32.1 Detailed Description

Factory for RgbBuffer (p. ??)'s.

2.32.2 Member Function Documentation

2.32.2.1 RgbBuffer RgbBufferFactoryOperations::createRgbBuffer (int size)

Create an RgbBuffer (p. ??) with given size.

Reimplemented in `_ConstructorStub` (p. ??), `_RgbBufferFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `RgbBufferFactoryPOATie` (p. ??).

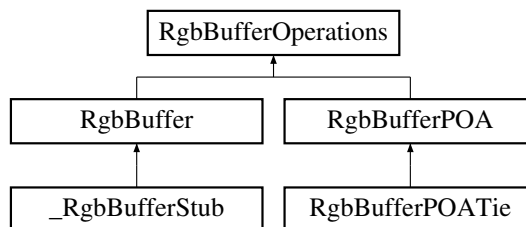
The documentation for this interface was generated from the following file:

- `RgbBufferFactoryOperations.java`

2.33 RgbBufferOperations Interface Reference

A buffer for transfer of RGB data.

Inheritance diagram for RgbBufferOperations::



Public Methods

- `int size ()`
The number of elements in the buffer.

- `int[] getRgb ()`
Get the RGB data as an RgbSeq.
- `void setRgb (int[] pixels)`
Set the RGB data.

2.33.1 Detailed Description

A buffer for transfer of RGB data.

2.33.2 Member Function Documentation

2.33.2.1 `int RgbBufferOperations::size ()`

The number of elements in the buffer.

Reimplemented in `_RgbBufferStub` (p. ??), and `RgbBufferPOATie` (p. ??).

2.33.2.2 `int [] RgbBufferOperations::getRgb ()`

Get the RGB data as an RgbSeq.

Reimplemented in `_RgbBufferStub` (p. ??), and `RgbBufferPOATie` (p. ??).

2.33.2.3 `void RgbBufferOperations::setRgb (int pixels[])`

Set the RGB data.

Reimplemented in `_RgbBufferStub` (p. ??), and `RgbBufferPOATie` (p. ??).

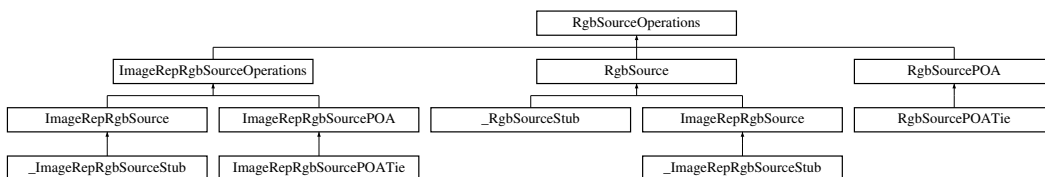
The documentation for this interface was generated from the following file:

- `RgbBufferOperations.java`

2.34 RgbSourceOperations Interface Reference

Base class for objects that deliver Rgb data.

Inheritance diagram for `RgbSourceOperations`:



Public Methods

- `int[] getRgb ()`
Obtain RGB data as an `RgbSeq`.
- `void fillRgb (RgbBuffer buffer)`
Fill the given `RgbBuffer` (p. ??) with data.

2.34.1 Detailed Description

Base class for objects that deliver `Rgb` data.

2.34.2 Member Function Documentation

2.34.2.1 `int [] RgbSourceOperations::getRgb ()`

Obtain `RGB` data as an `RgbSeq`.

Reimplemented in `_ImageRepRgbSourceStub` (p. ??), `_RgbSourceStub` (p. ??), `ImageRepRgbSourcePOATie` (p. ??), and `RgbSourcePOATie` (p. ??).

2.34.2.2 `void RgbSourceOperations::fillRgb (RgbBuffer buffer)`

Fill the given `RgbBuffer` (p. ??) with data.

Reimplemented in `_ImageRepRgbSourceStub` (p. ??), `_RgbSourceStub` (p. ??), `ImageRepRgbSourcePOATie` (p. ??), and `RgbSourcePOATie` (p. ??).

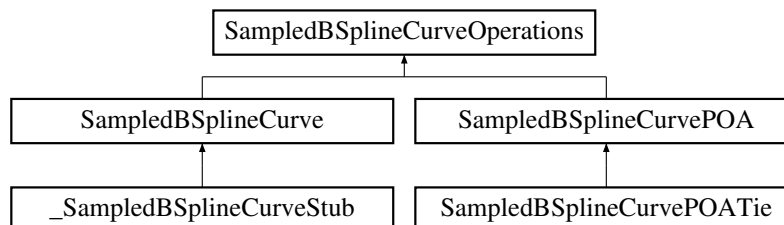
The documentation for this interface was generated from the following file:

- `RgbSourceOperations.java`

2.35 SampledBSPlineCurveOperations Interface Reference

A sampled `BSPlineCurve` (p. ??) (`HxSampledBSPlineCurve` in C++).

Inheritance diagram for `SampledBSPlineCurveOperations::`



Public Methods

- `BSplineCurve continuousCurve ()`
- `int nSamples ()`
- `Polyline2d CPoly ()`
- `PointR2 C (int i)`
- `PointR2[] allC ()`
- `double length ()`
- `Polyline2d controlP ()`
- `int numP ()`
- `PointR2[] allP ()`

2.35.1 Detailed Description

A sampled `BSplineCurve` (p. ??) (`HxSampledBSplineCurve` in C++).

2.35.2 Member Function Documentation

2.35.2.1 `BSplineCurve SampledBSplineCurveOperations::continuousCurve ()`

Reimplemented in `_SampledBSplineCurveStub` (p. ??), and `SampledBSplineCurvePOATie` (p. ??).

2.35.2.2 `int SampledBSplineCurveOperations::nSamples ()`

Reimplemented in `_SampledBSplineCurveStub` (p. ??), and `SampledBSplineCurvePOATie` (p. ??).

2.35.2.3 `Polyline2d SampledBSplineCurveOperations::CPoly ()`

Reimplemented in `_SampledBSplineCurveStub` (p. ??), and `SampledBSplineCurvePOATie` (p. ??).

2.35.2.4 `PointR2 SampledBSplineCurveOperations::C (int i)`

Reimplemented in `_SampledBSplineCurveStub` (p. ??), and `SampledBSplineCurvePOATie` (p. ??).

2.35.2.5 `PointR2 [] SampledBSplineCurveOperations::allC ()`

Reimplemented in `_SampledBSplineCurveStub` (p. ??), and `SampledBSplineCurvePOATie` (p. ??).

2.35.2.6 `double SampledBSplineCurveOperations::length ()`

Reimplemented in `_SampledBSplineCurveStub` (p. ??), and `SampledBSplineCurvePOATie` (p. ??).

2.35.2.7 `Polyline2d SampledBSplineCurveOperations::controlP ()`

Reimplemented in `_SampledBSplineCurveStub` (p. ??), and `SampledBSplineCurvePOATie` (p. ??).

2.35.2.8 int SampledBSPlineCurveOperations::numP ()

Reimplemented in `_SampledBSPlineCurveStub` (p. ??), and `SampledBSPlineCurvePOATie` (p. ??).

2.35.2.9 PointR2 [] SampledBSPlineCurveOperations::allP ()

Reimplemented in `_SampledBSPlineCurveStub` (p. ??), and `SampledBSPlineCurvePOATie` (p. ??).

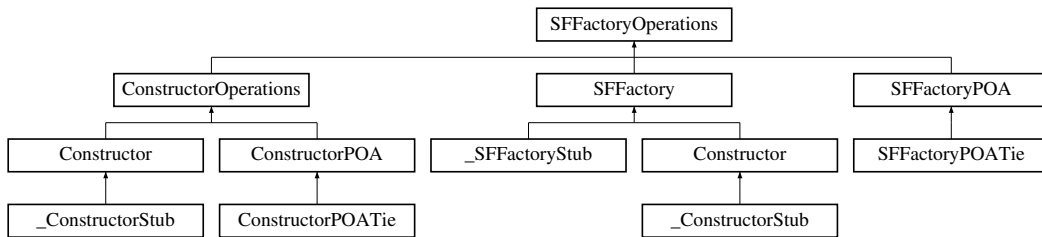
The documentation for this interface was generated from the following file:

- `SampledBSPlineCurveOperations.java`

2.36 SFFactoryOperations Interface Reference

A factory for SF (p. ??)'s.

Inheritance diagram for SFFactoryOperations::



Public Methods

- SF `makeSFfromImage` (ImageRep im)
- SF `makeFlatSF` (ImageSignature sig, Sizes sz, PixValue val)
- SF `makeBoxSF` (ImageSignature sig, Sizes sz, PixValue val)
- SF `makeCrossSF` (ImageSignature sig, Sizes sz, PixValue val)
- SF `makeDiskSF` (ImageSignature sig, Sizes sz, PixValue val)
- SF `makeDiamondSF` (ImageSignature sig, Sizes sz, PixValue val)
- SF `makeGaussianSF` (Sizes sz, double sigma)
- SF `makeParabolaSF` (Sizes sz, double sigma)

2.36.1 Detailed Description

A factory for SF (p. ??)'s.

2.36.2 Member Function Documentation

2.36.2.1 SF SFFactoryOperations::makeSFfromImage (ImageRep im)

Reimplemented in `_ConstructorStub` (p. ??), `_SFFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `SFFactoryPOATie` (p. ??).

2.36.2.2 SF SFFactoryOperations::makeFlatSF (ImageSignature *sig*, Sizes *sz*, PixValue *val*)

Reimplemented in `_ConstructorStub` (p. ??), `_SFFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `SFFactoryPOATie` (p. ??).

2.36.2.3 SF SFFactoryOperations::makeBoxSF (ImageSignature *sig*, Sizes *sz*, PixValue *val*)

Reimplemented in `_ConstructorStub` (p. ??), `_SFFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `SFFactoryPOATie` (p. ??).

2.36.2.4 SF SFFactoryOperations::makeCrossSF (ImageSignature *sig*, Sizes *sz*, PixValue *val*)

Reimplemented in `_ConstructorStub` (p. ??), `_SFFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `SFFactoryPOATie` (p. ??).

2.36.2.5 SF SFFactoryOperations::makeDiskSF (ImageSignature *sig*, Sizes *sz*, PixValue *val*)

Reimplemented in `_ConstructorStub` (p. ??), `_SFFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `SFFactoryPOATie` (p. ??).

2.36.2.6 SF SFFactoryOperations::makeDiamondSF (ImageSignature *sig*, Sizes *sz*, PixValue *val*)

Reimplemented in `_ConstructorStub` (p. ??), `_SFFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `SFFactoryPOATie` (p. ??).

2.36.2.7 SF SFFactoryOperations::makeGaussianSF (Sizes *sz*, double *sigma*)

Reimplemented in `_ConstructorStub` (p. ??), `_SFFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `SFFactoryPOATie` (p. ??).

2.36.2.8 SF SFFactoryOperations::makeParabolaSF (Sizes *sz*, double *sigma*)

Reimplemented in `_ConstructorStub` (p. ??), `_SFFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `SFFactoryPOATie` (p. ??).

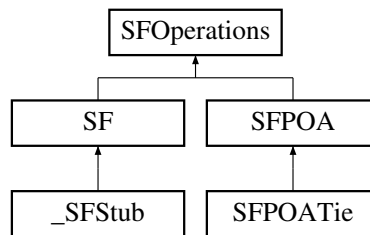
The documentation for this interface was generated from the following file:

- `SFFactoryOperations.java`

2.37 SFOperations Interface Reference

A structuring function (HxSF in C++).

Inheritance diagram for `SFOperations::`



Public Methods

- ImageRep getKernel ()
- ImageRep getHorizontalKernel ()
- ImageRep getVerticalKernel ()
- int isSeparable ()
- int isSymetric ()
- int getConnectivity ()

2.37.1 Detailed Description

A structuring function (HxSF in C++).

2.37.2 Member Function Documentation

2.37.2.1 ImageRep SFOperations::getKernel ()

Reimplemented in `_SFStub` (p. ??), and `SFPOATie` (p. ??).

2.37.2.2 ImageRep SFOperations::getHorizontalKernel ()

Reimplemented in `_SFStub` (p. ??), and `SFPOATie` (p. ??).

2.37.2.3 ImageRep SFOperations::getVerticalKernel ()

Reimplemented in `_SFStub` (p. ??), and `SFPOATie` (p. ??).

2.37.2.4 int SFOperations::isSeparable ()

Reimplemented in `_SFStub` (p. ??), and `SFPOATie` (p. ??).

2.37.2.5 int SFOperations::isSymetric ()

Reimplemented in `_SFStub` (p. ??), and `SFPOATie` (p. ??).

2.37.2.6 int SFOperations::getConnectivity ()

Reimplemented in `_SFStub` (p. ??), and `SFPOATie` (p. ??).

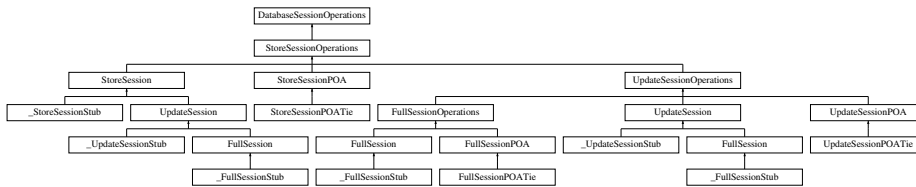
The documentation for this interface was generated from the following file:

- `SFOperations.java`

2.38 StoreSessionOperations Interface Reference

A database session for storing data.

Inheritance diagram for `StoreSessionOperations`:



Public Methods

- `void addSegmentation (VxSegmentation seg, String videoName, String segName, String description) throws DatabaseException`
- `VxSegmentationBuilder buildSegmentation (String videoName, String segName) throws DatabaseException`

2.38.1 Detailed Description

A database session for storing data.

2.38.2 Member Function Documentation

2.38.2.1 void StoreSessionOperations::addSegmentation (VxSegmentation seg, String videoName, String segName, String description)

Reimplemented in `_FullSessionStub` (p. ??), `_StoreSessionStub` (p. ??), `_UpdateSessionStub` (p. ??), `FullSessionPOATie` (p. ??), `StoreSessionPOATie` (p. ??), and `UpdateSessionPOATie` (p. ??).

2.38.2.2 VxSegmentationBuilder StoreSessionOperations::buildSegmentation (String videoName, String segName)

Reimplemented in `_FullSessionStub` (p. ??), `_StoreSessionStub` (p. ??), `_UpdateSessionStub` (p. ??), `FullSessionPOATie` (p. ??), `StoreSessionPOATie` (p. ??), and `UpdateSessionPOATie` (p. ??).

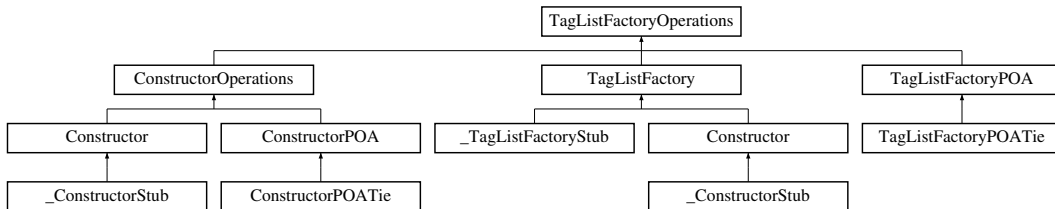
The documentation for this interface was generated from the following file:

- `StoreSessionOperations.java`

2.39 TagListFactoryOperations Interface Reference

Factory for TagList (p. ??)'s.

Inheritance diagram for TagListFactoryOperations::



Public Methods

- TagList emptyTagList ()
- TagList simpleIntTag (String name, int val)
- TagList simpleFloatTag (String name, double val)

2.39.1 Detailed Description

Factory for TagList (p. ??)'s.

2.39.2 Member Function Documentation

2.39.2.1 TagList TagListFactoryOperations::emptyTagList ()

Reimplemented in `_ConstructorStub` (p. ??), `_TagListFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `TagListFactoryPOATie` (p. ??).

2.39.2.2 TagList TagListFactoryOperations::simpleIntTag (String name, int val)

Reimplemented in `_ConstructorStub` (p. ??), `_TagListFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `TagListFactoryPOATie` (p. ??).

2.39.2.3 TagList TagListFactoryOperations::simpleFloatTag (String name, double val)

Reimplemented in `_ConstructorStub` (p. ??), `_TagListFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `TagListFactoryPOATie` (p. ??).

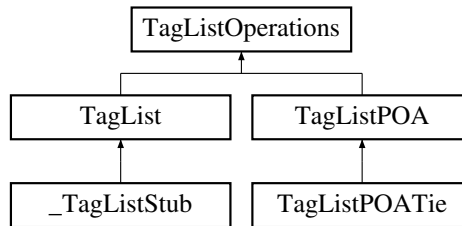
The documentation for this interface was generated from the following file:

- TagListFactoryOperations.java

2.40 TagListOperations Interface Reference

A list of tags (HxTagList in C++).

Inheritance diagram for TagListOperations::



Public Methods

- void addInt (String name, int val)
- int getInt (String name)
- void addFloat (String name, double val)
- double getFloat (String name)
- void addValue (String name, PixValue val)
- PixValue getValue (String name)

2.40.1 Detailed Description

A list of tags (HxTagList in C++).

2.40.2 Member Function Documentation

2.40.2.1 void TagListOperations::addInt (String *name*, int *val*)

Reimplemented in _TagListStub (p. ??), and TagListPOATie (p. ??).

2.40.2.2 int TagListOperations::getInt (String *name*)

Reimplemented in _TagListStub (p. ??), and TagListPOATie (p. ??).

2.40.2.3 void TagListOperations::addFloat (String *name*, double *val*)

Reimplemented in _TagListStub (p. ??), and TagListPOATie (p. ??).

2.40.2.4 double TagListOperations::getFloat (String *name*)

Reimplemented in _TagListStub (p. ??), and TagListPOATie (p. ??).

2.40.2.5 void TagListOperations::addValue (String *name*, PixValue *val*)

Reimplemented in _TagListStub (p. ??), and TagListPOATie (p. ??).

2.40.2.6 PixValue TagListOperations::getValue (String *name*)

Reimplemented in `_TagListStub` (p. ??), and `TagListPOATie` (p. ??).

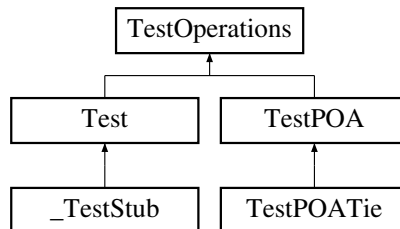
The documentation for this interface was generated from the following file:

- `TagListOperations.java`

2.41 TestOperations Interface Reference

A testing interface.

Inheritance diagram for `TestOperations::`



Public Methods

- `int printMessage (String msg)`

2.41.1 Detailed Description

A testing interface.

2.41.2 Member Function Documentation

2.41.2.1 `int TestOperations::printMessage (String msg)`

Reimplemented in `_TestStub` (p. ??), and `TestPOATie` (p. ??).

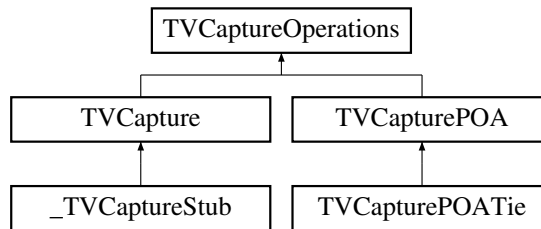
The documentation for this interface was generated from the following file:

- `TestOperations.java`

2.42 TVCaptureOperations Interface Reference

A TV capture device.

Inheritance diagram for `TVCaptureOperations::`



Public Methods

- Sizes `getSizes ()`
- `int[] getRgb ()`
- `void close ()`

2.42.1 Detailed Description

A TV capture device.

2.42.2 Member Function Documentation

2.42.2.1 Sizes `TVCaptureOperations::getSizes ()`

Reimplemented in `_TVCaptureStub` (p. ??), and `TVCapturePOATie` (p. ??).

2.42.2.2 `int [] TVCaptureOperations::getRgb ()`

Reimplemented in `_TVCaptureStub` (p. ??), and `TVCapturePOATie` (p. ??).

2.42.2.3 `void TVCaptureOperations::close ()`

Reimplemented in `_TVCaptureStub` (p. ??), and `TVCapturePOATie` (p. ??).

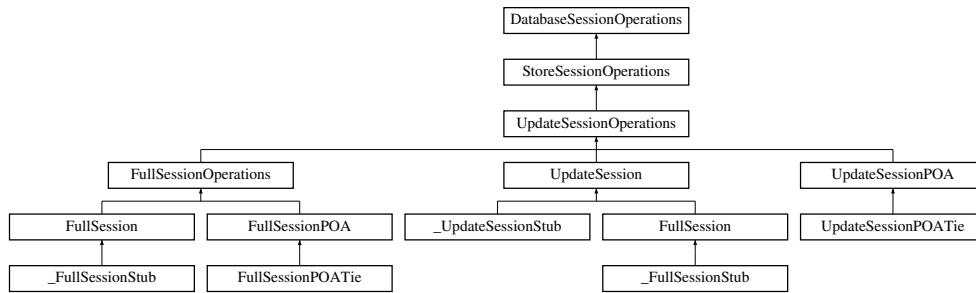
The documentation for this interface was generated from the following file:

- `TVCaptureOperations.java`

2.43 UpdateSessionOperations Interface Reference

A database session for modifying data.

Inheritance diagram for `UpdateSessionOperations::`



Public Methods

- **void removeVideo (String videoName) throws DatabaseException**
- **void removeSegmentation (VxSegmentation seg) throws DatabaseException**
- **void removeSegment (VxSegment segment) throws DatabaseException**

2.43.1 Detailed Description

A database session for modifying data.

2.43.2 Member Function Documentation

2.43.2.1 void UpdateSessionOperations::removeVideo (String *videoName*)

Reimplemented in `_FullSessionStub` (p. ??), `_UpdateSessionStub` (p. ??), `FullSessionPOATie` (p. ??), and `UpdateSessionPOATie` (p. ??).

2.43.2.2 void UpdateSessionOperations::removeSegmentation (VxSegmentation *seg*)

Reimplemented in `_FullSessionStub` (p. ??), `_UpdateSessionStub` (p. ??), `FullSessionPOATie` (p. ??), and `UpdateSessionPOATie` (p. ??).

2.43.2.3 void UpdateSessionOperations::removeSegment (VxSegment *segment*)

Reimplemented in `_FullSessionStub` (p. ??), `_UpdateSessionStub` (p. ??), `FullSessionPOATie` (p. ??), and `UpdateSessionPOATie` (p. ??).

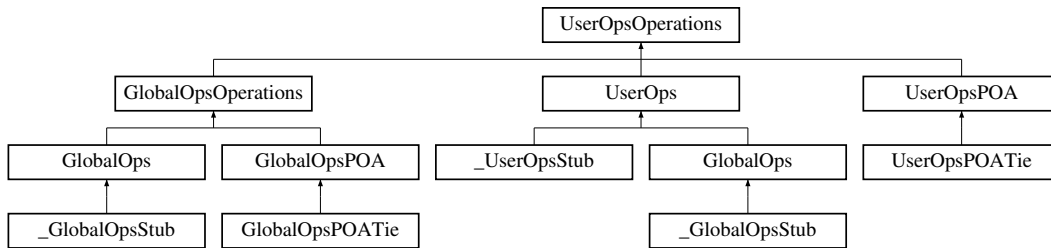
The documentation for this interface was generated from the following file:

- `UpdateSessionOperations.java`

2.44 UserOpsOperations Interface Reference

Global operations defined by the user.

Inheritance diagram for `UserOpsOperations::`



Public Methods

- `void HxOpenTrecDB (String indexFile, String dbDir)`
- `SegmentQueryResult[] HxTrecDemo (TrecFaceT faces, TrecYesNoT monologue, TrecYesNoT speech, TrecCameraT camera, ImageRep qimage)`
- `void HxInitTrack (ImageSeq seq, int startFrame, int x0, int y0, int x1, int y1)`
- `boolean HxDoTrack (int nextFrame, org.omg.CORBA.IntHolder x0, org.omg.CORBA.IntHolder y0, org.omg.CORBA.IntHolder x1, org.omg.CORBA.IntHolder y1, org.omg.CORBA.BooleanHolder occlusion)`
- `void HxEndTrack ()`
- `String MyStringFunction ()`
- `MyMessage MyStringFunction2 ()`
- `AapFeatures JmCalcAapFeatures (ImageRep aap, ImageRep aapSegmentation)`

2.44.1 Detailed Description

Global operations defined by the user.

2.44.2 Member Function Documentation

2.44.2.1 `void UserOpsOperations::HxOpenTrecDB (String indexFile, String dbDir)`

Reimplemented in `_GlobalOpsStub` (p. ??), `_UserOpsStub` (p. ??), `GlobalOpsPOATie` (p. ??), and `UserOpsPOATie` (p. ??).

2.44.2.2 `SegmentQueryResult[] UserOpsOperations::HxTrecDemo (TrecFaceT faces, TrecYesNoT monologue, TrecYesNoT speech, TrecCameraT camera, ImageRep qimage)`

Reimplemented in `_GlobalOpsStub` (p. ??), `_UserOpsStub` (p. ??), `GlobalOpsPOATie` (p. ??), and `UserOpsPOATie` (p. ??).

2.44.2.3 `void UserOpsOperations::HxInitTrack (ImageSeq seq, int startFrame, int x0, int y0, int x1, int y1)`

Reimplemented in `_GlobalOpsStub` (p. ??), `_UserOpsStub` (p. ??), `GlobalOpsPOATie` (p. ??), and `UserOpsPOATie` (p. ??).

2.44.2.4 `boolean UserOpsOperations::HxDoTrack (int nextFrame, org.omg.CORBA.IntHolder x0, org.omg.CORBA.IntHolder y0, org.omg.CORBA.IntHolder x1, org.omg.CORBA.IntHolder y1, org.omg.CORBA.BooleanHolder occlusion)`

Reimplemented in `_GlobalOpsStub` (p. ??), `_UserOpsStub` (p. ??), `GlobalOpsPOATie` (p. ??), and `UserOpsPOATie` (p. ??).

2.44.2.5 `void UserOpsOperations::HxEndTrack ()`

Reimplemented in `_GlobalOpsStub` (p. ??), `_UserOpsStub` (p. ??), `GlobalOpsPOATie` (p. ??), and `UserOpsPOATie` (p. ??).

2.44.2.6 `String UserOpsOperations::MyStringFunction ()`

Reimplemented in `_GlobalOpsStub` (p. ??), `_UserOpsStub` (p. ??), `GlobalOpsPOATie` (p. ??), and `UserOpsPOATie` (p. ??).

2.44.2.7 `MyMessage UserOpsOperations::MyStringFunction2 ()`

Reimplemented in `_GlobalOpsStub` (p. ??), `_UserOpsStub` (p. ??), `GlobalOpsPOATie` (p. ??), and `UserOpsPOATie` (p. ??).

2.44.2.8 `AapFeatures UserOpsOperations::JmCalcAapFeatures (ImageRep aap, ImageRep aapSegmentation)`

Reimplemented in `_GlobalOpsStub` (p. ??), `_UserOpsStub` (p. ??), `GlobalOpsPOATie` (p. ??), and `UserOpsPOATie` (p. ??).

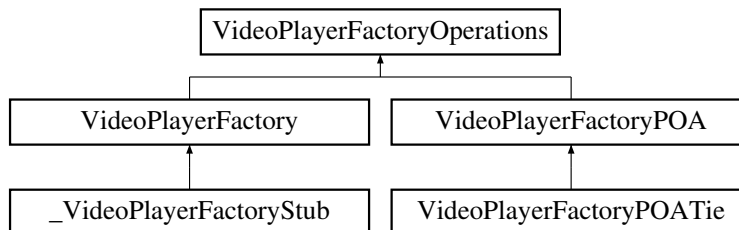
The documentation for this interface was generated from the following file:

- `UserOpsOperations.java`

2.45 VideoPlayerFactoryOperations Interface Reference

A factory for `VideoPlayer` (p. ??)'s.

Inheritance diagram for `VideoPlayerFactoryOperations`:



Public Methods

- VideoPlayer makeFullPlayer (String fileName)
- VideoPlayer makeAudioPlayer (String fileName)

2.45.1 Detailed Description

A factory for VideoPlayer (p. ??)'s.

2.45.2 Member Function Documentation

2.45.2.1 VideoPlayer VideoPlayerFactoryOperations::makeFullPlayer (String *fileName*)

Reimplemented in _VideoPlayerFactoryStub (p. ??), and VideoPlayerFactoryPOATie (p. ??).

2.45.2.2 VideoPlayer VideoPlayerFactoryOperations::makeAudioPlayer (String *fileName*)

Reimplemented in _VideoPlayerFactoryStub (p. ??), and VideoPlayerFactoryPOATie (p. ??).

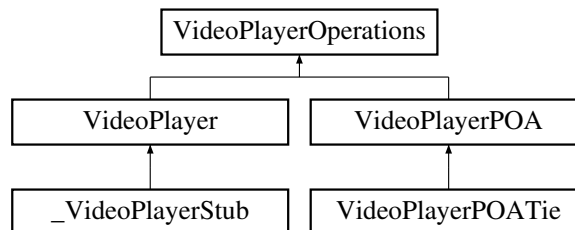
The documentation for this interface was generated from the following file:

- VideoPlayerFactoryOperations.java

2.46 VideoPlayerOperations Interface Reference

A video player device.

Inheritance diagram for VideoPlayerOperations::



Public Methods

- void play ()
- void stop ()
- void seek (int frame)
- void close ()

2.46.1 Detailed Description

A video player device.

2.46.2 Member Function Documentation

2.46.2.1 void VideoPlayerOperations::play ()

Reimplemented in `_VideoPlayerStub` (p. ??), and `VideoPlayerPOATie` (p. ??).

2.46.2.2 void VideoPlayerOperations::stop ()

Reimplemented in `_VideoPlayerStub` (p. ??), and `VideoPlayerPOATie` (p. ??).

2.46.2.3 void VideoPlayerOperations::seek (int *frame*)

Reimplemented in `_VideoPlayerStub` (p. ??), and `VideoPlayerPOATie` (p. ??).

2.46.2.4 void VideoPlayerOperations::close ()

Reimplemented in `_VideoPlayerStub` (p. ??), and `VideoPlayerPOATie` (p. ??).

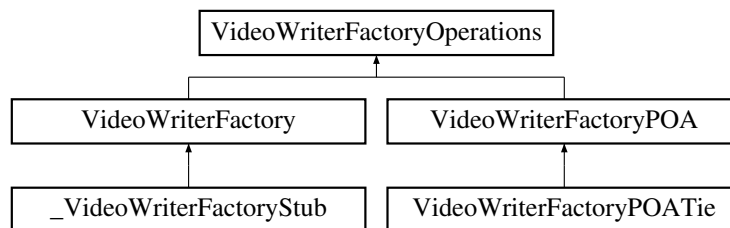
The documentation for this interface was generated from the following file:

- `VideoPlayerOperations.java`

2.47 VideoWriterFactoryOperations Interface Reference

A factory for `VideoWriter` (p. ??)'s.

Inheritance diagram for `VideoWriterFactoryOperations`:



Public Methods

- `VideoWriter openVideo (String videoName, int w, int h)`

2.47.1 Detailed Description

A factory for `VideoWriter` (p. ??)'s.

2.47.2 Member Function Documentation

2.47.2.1 VideoWriter VideoWriterFactoryOperations::openVideo (String *videoName*, int *w*, int *h*)

Reimplemented in `_VideoWriterFactoryStub` (p. ??), and `VideoWriterFactoryPOATie` (p. ??).

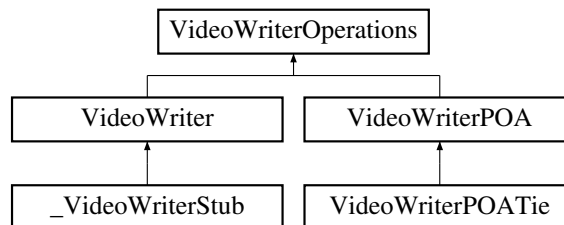
The documentation for this interface was generated from the following file:

- `VideoWriterFactoryOperations.java`

2.48 VideoWriterOperations Interface Reference

A video file writer device.

Inheritance diagram for `VideoWriterOperations`:



Public Methods

- `void putFrame (byte r, byte g, byte b)`
- `void putImage (ImageRep img, String mode)`
- `void closeVideo ()`

2.48.1 Detailed Description

A video file writer device.

2.48.2 Member Function Documentation

2.48.2.1 void VideoWriterOperations::putFrame (byte *r*, byte *g*, byte *b*)

Reimplemented in `_VideoWriterStub` (p. ??), and `VideoWriterPOATie` (p. ??).

2.48.2.2 void VideoWriterOperations::putImage (ImageRep *img*, String *mode*)

Reimplemented in `_VideoWriterStub` (p. ??), and `VideoWriterPOATie` (p. ??).

2.48.2.3 void VideoWriterOperations::closeVideo ()

Reimplemented in `_VideoWriterStub` (p. ??), and `VideoWriterPOATie` (p. ??).

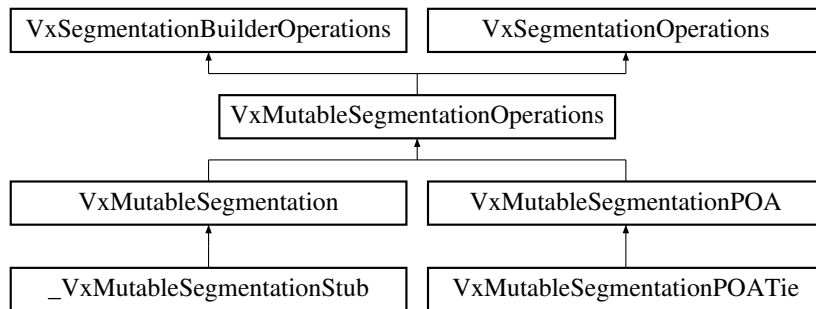
The documentation for this interface was generated from the following file:

- VideoWriterOperations.java

2.49 VxMutableSegmentationOperations Interface Reference

A VxSegmentation (p. ??) builder and modifier.

Inheritance diagram for VxMutableSegmentationOperations::



Public Methods

- void removeSegment (int index) throws DatabaseException

2.49.1 Detailed Description

A VxSegmentation (p. ??) builder and modifier.

2.49.2 Member Function Documentation

2.49.2.1 void VxMutableSegmentationOperations::removeSegment (int *index*)

Reimplemented in **_VxMutableSegmentationStub** (p. ??), and **VxMutableSegmentationPOATie** (p. ??).

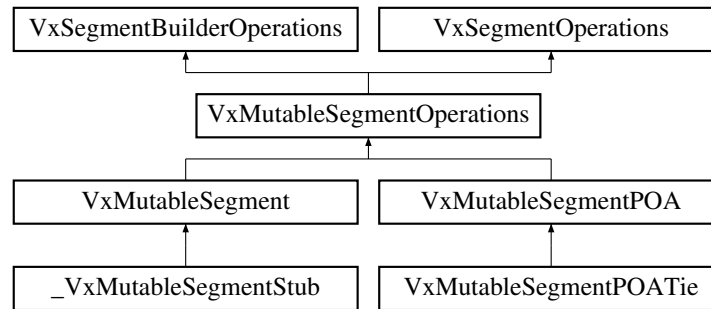
The documentation for this interface was generated from the following file:

- VxMutableSegmentationOperations.java

2.50 VxMutableSegmentOperations Interface Reference

A VxSegment (p. ??) builder and modifier.

Inheritance diagram for VxMutableSegmentOperations::



Public Methods

- **void setStart (int start)**
- **void setEnd (int end)**
- **void removeInt (String id) throws DatabaseException**
- **void removeDouble (String id) throws DatabaseException**
- **void removeString (String id) throws DatabaseException**
- **void changeInt (String id, int newValue) throws DatabaseException**
- **void changeDouble (String id, double newValue) throws DatabaseException**
- **void changeString (String id, String newValue) throws DatabaseException**

2.50.1 Detailed Description

A VxSegment (p. ??) builder and modifier.

2.50.2 Member Function Documentation

2.50.2.1 void VxMutableSegmentOperations::setStart (int *start*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), and `VxMutableSegmentPOATie` (p. ??).

2.50.2.2 void VxMutableSegmentOperations::setEnd (int *end*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), and `VxMutableSegmentPOATie` (p. ??).

2.50.2.3 void VxMutableSegmentOperations::removeInt (String *id*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), and `VxMutableSegmentPOATie` (p. ??).

2.50.2.4 void VxMutableSegmentOperations::removeDouble (String *id*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), and `VxMutableSegmentPOATie` (p. ??).

2.50.2.5 void VxMutableSegmentOperations::removeString (String *id*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), and `VxMutableSegmentPOATie` (p. ??).

2.50.2.6 void VxMutableSegmentOperations::changeInt (String *id*, int *newValue*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), and `VxMutableSegmentPOATie` (p. ??).

2.50.2.7 void VxMutableSegmentOperations::changeDouble (String *id*, double *newValue*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), and `VxMutableSegmentPOATie` (p. ??).

2.50.2.8 void VxMutableSegmentOperations::changeString (String *id*, String *newValue*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), and `VxMutableSegmentPOATie` (p. ??).

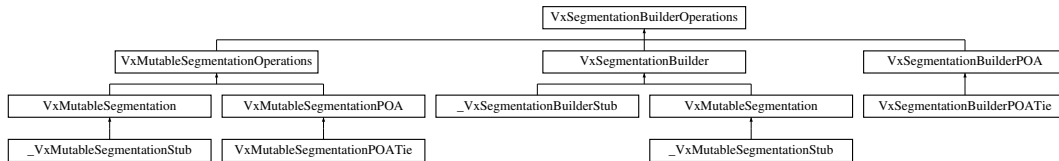
The documentation for this interface was generated from the following file:

- `VxMutableSegmentOperations.java`

2.51 VxSegmentationBuilderOperations Interface Reference

A `VxSegmentation` (p. ??) builder.

Inheritance diagram for `VxSegmentationBuilderOperations`:



Public Methods

- void setDescription (String *description*)
- `VxSegmentBuilder` buildSegment (int *start*, int *end*) throws `DatabaseException`

2.51.1 Detailed Description

A `VxSegmentation` (p. ??) builder.

2.51.2 Member Function Documentation

2.51.2.1 void VxSegmentationBuilderOperations::setDescription (String *description*)

Reimplemented in `_VxMutableSegmentationStub` (p. ??), `_VxSegmentationBuilderStub` (p. ??), `VxMutableSegmentationPOATie` (p. ??), and `VxSegmentationBuilderPOATie` (p. ??).

2.51.2.2 VxSegmentBuilder VxSegmentationBuilderOperations::buildSegment (int start, int end)

Reimplemented in `_VxMutableSegmentationStub` (p. ??), `_VxSegmentationBuilderStub` (p. ??), `VxMutableSegmentationPOATie` (p. ??), and `VxSegmentationBuilderPOATie` (p. ??).

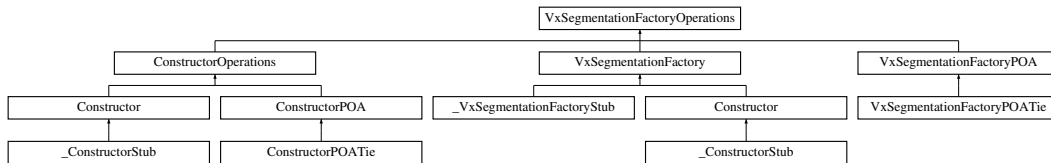
The documentation for this interface was generated from the following file:

- `VxSegmentationBuilderOperations.java`

2.52 VxSegmentationFactoryOperations Interface Reference

A factory for `VxSegmentation` (p. ??)'s.

Inheritance diagram for `VxSegmentationFactoryOperations`:



Public Methods

- `VxSegmentation makeVxSegmentation (String filename)`
- `VxSegmentation importSegmentation (VxSegmentation seg)`

2.52.1 Detailed Description

A factory for `VxSegmentation` (p. ??)'s.

2.52.2 Member Function Documentation

2.52.2.1 VxSegmentation VxSegmentationFactoryOperations::makeVxSegmentation (String filename)

Reimplemented in `_ConstructorStub` (p. ??), `_VxSegmentationFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `VxSegmentationFactoryPOATie` (p. ??).

2.52.2.2 VxSegmentation VxSegmentationFactoryOperations::importSegmentation (VxSegmentation seg)

Reimplemented in `_ConstructorStub` (p. ??), `_VxSegmentationFactoryStub` (p. ??), `ConstructorPOATie` (p. ??), and `VxSegmentationFactoryPOATie` (p. ??).

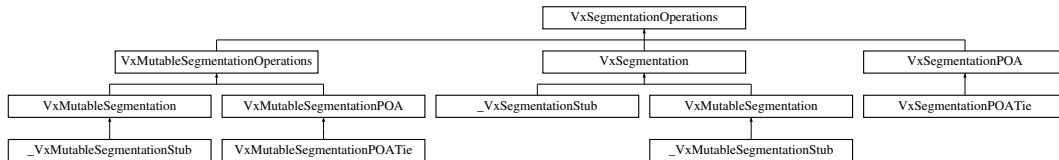
The documentation for this interface was generated from the following file:

- `VxSegmentationFactoryOperations.java`

2.53 VxSegmentationOperations Interface Reference

A video segmentation.

Inheritance diagram for VxSegmentationOperations::



Public Methods

- `int size ()`
- `VxSegment[] getAll ()`
- `VxTimeSpan[] getTimeSpans ()`
- `String[] getIds ()`
- `String[] getTypes ()`
- `VxSegment getSegment (int index)`
- `VxSegment mapsToSegment (int timeSpan)`

2.53.1 Detailed Description

A video segmentation.

2.53.2 Member Function Documentation

2.53.2.1 `int VxSegmentationOperations::size ()`

Reimplemented in `_VxMutableSegmentationStub` (p. ??), `_VxSegmentationStub` (p. ??), `VxMutableSegmentationPOATie` (p. ??), and `VxSegmentationPOATie` (p. ??).

2.53.2.2 `VxSegment [] VxSegmentationOperations::getAll ()`

Reimplemented in `_VxMutableSegmentationStub` (p. ??), `_VxSegmentationStub` (p. ??), `VxMutableSegmentationPOATie` (p. ??), and `VxSegmentationPOATie` (p. ??).

2.53.2.3 `VxTimeSpan [] VxSegmentationOperations::getTimeSpans ()`

Reimplemented in `_VxMutableSegmentationStub` (p. ??), `_VxSegmentationStub` (p. ??), `VxMutableSegmentationPOATie` (p. ??), and `VxSegmentationPOATie` (p. ??).

2.53.2.4 `String [] VxSegmentationOperations::getIds ()`

Reimplemented in `_VxMutableSegmentationStub` (p. ??), `_VxSegmentationStub` (p. ??), `VxMutableSegmentationPOATie` (p. ??), and `VxSegmentationPOATie` (p. ??).

2.53.2.5 String [] VxSegmentationOperations::getTypes ()

Reimplemented in `_VxMutableSegmentationStub` (p. ??), `_VxSegmentationStub` (p. ??), `VxMutableSegmentationPOATie` (p. ??), and `VxSegmentationPOATie` (p. ??).

2.53.2.6 VxSegment VxSegmentationOperations::getSegment (int *index*)

Reimplemented in `_VxMutableSegmentationStub` (p. ??), `_VxSegmentationStub` (p. ??), `VxMutableSegmentationPOATie` (p. ??), and `VxSegmentationPOATie` (p. ??).

2.53.2.7 VxSegment VxSegmentationOperations::mapsToSegment (int *timeSpan*)

Reimplemented in `_VxMutableSegmentationStub` (p. ??), `_VxSegmentationStub` (p. ??), `VxMutableSegmentationPOATie` (p. ??), and `VxSegmentationPOATie` (p. ??).

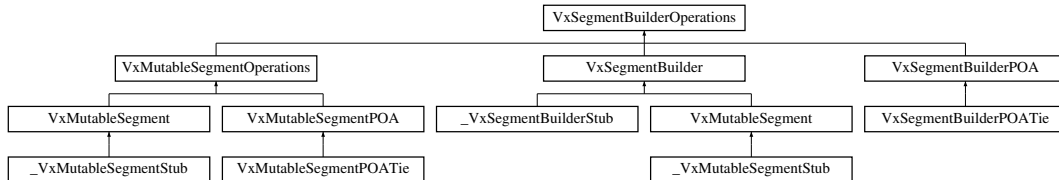
The documentation for this interface was generated from the following file:

- `VxSegmentationOperations.java`

2.54 VxSegmentBuilderOperations Interface Reference

A `VxSegment` (p. ??) builder.

Inheritance diagram for `VxSegmentBuilderOperations`:



Public Methods

- `void addInt (String id, int value)` throws `DatabaseException`
- `void addDouble (String id, double value)` throws `DatabaseException`
- `void addString (String id, String value)` throws `DatabaseException`

2.54.1 Detailed Description

A `VxSegment` (p. ??) builder.

2.54.2 Member Function Documentation

2.54.2.1 void VxSegmentBuilderOperations::addInt (String *id*, int *value*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), `_VxSegmentBuilderStub` (p. ??), `VxMutableSegmentPOATie` (p. ??), and `VxSegmentBuilderPOATie` (p. ??).

2.54.2.2 void VxSegmentBuilderOperations::addDouble (String *id*, double *value*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), `_VxSegmentBuilderStub` (p. ??), `VxMutableSegmentPOATie` (p. ??), and `VxSegmentBuilderPOATie` (p. ??).

2.54.2.3 void VxSegmentBuilderOperations::addString (String *id*, String *value*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), `_VxSegmentBuilderStub` (p. ??), `VxMutableSegmentPOATie` (p. ??), and `VxSegmentBuilderPOATie` (p. ??).

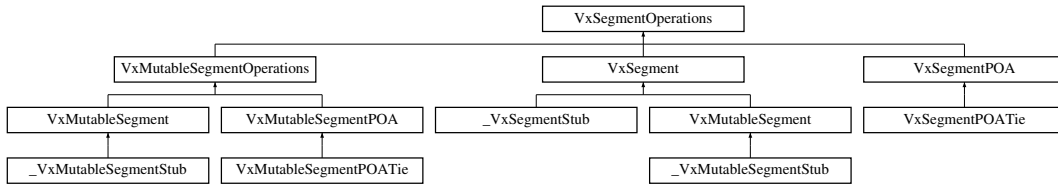
The documentation for this interface was generated from the following file:

- `VxSegmentBuilderOperations.java`

2.55 VxSegmentOperations Interface Reference

A video segment (`VxSegment` (p. ??) in C++).

Inheritance diagram for `VxSegmentOperations`:



Public Methods

- `int start ()`
- `int end ()`
- `int length ()`
- `String[] getIds ()`
- `String[] getTypes ()`
- `int getInt (String id)`
- `double getDouble (String id)`
- `String getString (String id)`
- `int getIntFlag (String id, org.omg.CORBA.BooleanHolder present)`
- `double getDoubleFlag (String id, org.omg.CORBA.BooleanHolder present)`
- `String getStringFlag (String id, org.omg.CORBA.BooleanHolder present)`

2.55.1 Detailed Description

A video segment (`VxSegment` (p. ??) in C++).

2.55.2 Member Function Documentation

2.55.2.1 int VxSegmentOperations::start ()

Reimplemented in `_VxMutableSegmentStub` (p. ??), `_VxSegmentStub` (p. ??), `VxMutableSegmentPOATie` (p. ??), and `VxSegmentPOATie` (p. ??).

2.55.2.2 int VxSegmentOperations::end ()

Reimplemented in `_VxMutableSegmentStub` (p. ??), `_VxSegmentStub` (p. ??), `VxMutableSegmentPOATie` (p. ??), and `VxSegmentPOATie` (p. ??).

2.55.2.3 int VxSegmentOperations::length ()

Reimplemented in `_VxMutableSegmentStub` (p. ??), `_VxSegmentStub` (p. ??), `VxMutableSegmentPOATie` (p. ??), and `VxSegmentPOATie` (p. ??).

2.55.2.4 String [] VxSegmentOperations::getIds ()

Reimplemented in `_VxMutableSegmentStub` (p. ??), `_VxSegmentStub` (p. ??), `VxMutableSegmentPOATie` (p. ??), and `VxSegmentPOATie` (p. ??).

2.55.2.5 String [] VxSegmentOperations::getTypes ()

Reimplemented in `_VxMutableSegmentStub` (p. ??), `_VxSegmentStub` (p. ??), `VxMutableSegmentPOATie` (p. ??), and `VxSegmentPOATie` (p. ??).

2.55.2.6 int VxSegmentOperations::getInt (String *id*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), `_VxSegmentStub` (p. ??), `VxMutableSegmentPOATie` (p. ??), and `VxSegmentPOATie` (p. ??).

2.55.2.7 double VxSegmentOperations::getDouble (String *id*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), `_VxSegmentStub` (p. ??), `VxMutableSegmentPOATie` (p. ??), and `VxSegmentPOATie` (p. ??).

2.55.2.8 String VxSegmentOperations::getString (String *id*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), `_VxSegmentStub` (p. ??), `VxMutableSegmentPOATie` (p. ??), and `VxSegmentPOATie` (p. ??).

2.55.2.9 int VxSegmentOperations::getIntFlag (String *id*, org.omg.CORBA.BooleanHolder *present*)

Reimplemented in `_VxMutableSegmentStub` (p. ??), `_VxSegmentStub` (p. ??), `VxMutableSegmentPOATie` (p. ??), and `VxSegmentPOATie` (p. ??).

2.55.2.10 `double VxSegmentOperations::getDoubleFlag (String id, org.omg.CORBA.BooleanHolder present)`

Reimplemented in `_VxMutableSegmentStub` (p. ??), `_VxSegmentStub` (p. ??), `VxMutableSegmentPOATie` (p. ??), and `VxSegmentPOATie` (p. ??).

2.55.2.11 `String VxSegmentOperations::getStringFlag (String id, org.omg.CORBA.BooleanHolder present)`

Reimplemented in `_VxMutableSegmentStub` (p. ??), `_VxSegmentStub` (p. ??), `VxMutableSegmentPOATie` (p. ??), and `VxSegmentPOATie` (p. ??).

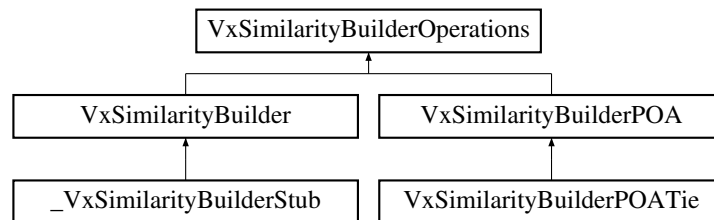
The documentation for this interface was generated from the following file:

- `VxSegmentOperations.java`

2.56 VxSimilarityBuilderOperations Interface Reference

A `VxSimilarity` builder.

Inheritance diagram for `VxSimilarityBuilderOperations`:



Public Methods

- `void addSimilarity (int index1, int index2, double value, int keyFrame1, int keyFrame2)` throws `DatabaseException`

2.56.1 Detailed Description

A `VxSimilarity` builder.

2.56.2 Member Function Documentation

2.56.2.1 `void VxSimilarityBuilderOperations::addSimilarity (int index1, int index2, double value, int keyFrame1, int keyFrame2)`

Reimplemented in `_VxSimilarityBuilderStub` (p. ??), and `VxSimilarityBuilderPOATie` (p. ??).

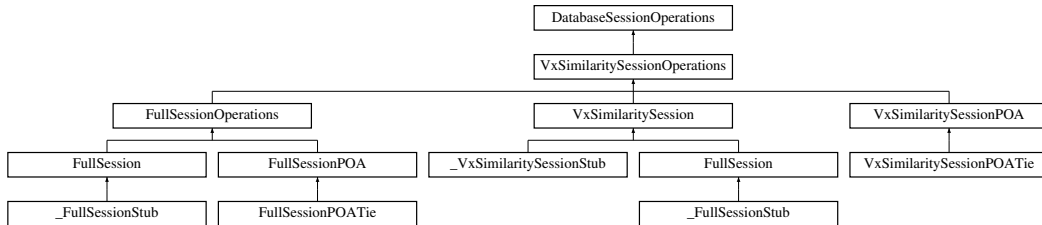
The documentation for this interface was generated from the following file:

- `VxSimilarityBuilderOperations.java`

2.57 VxSimilaritySessionOperations Interface Reference

A database session for VxSimilarity's.

Inheritance diagram for VxSimilaritySessionOperations::



Public Methods

- **VxSimilarityBuilder addSimilarities (String videoName, String segName, String featureName) throws DatabaseException**

2.57.1 Detailed Description

A database session for VxSimilarity's.

2.57.2 Member Function Documentation

2.57.2.1 VxSimilarityBuilder VxSimilaritySessionOperations::addSimilarities (String *videoName*, String *segName*, String *featureName*)

Reimplemented in `_FullSessionStub` (p. ??), `_VxSimilaritySessionStub` (p. ??), `FullSessionPOATie` (p. ??), and `VxSimilaritySessionPOATie` (p. ??).

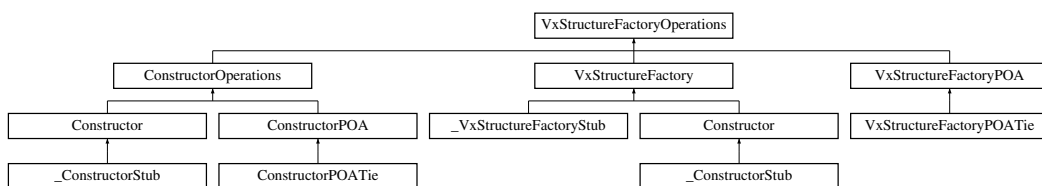
The documentation for this interface was generated from the following file:

- `VxSimilaritySessionOperations.java`

2.58 VxStructureFactoryOperations Interface Reference

A factory for VxStructure (p. ??)'s.

Inheritance diagram for VxStructureFactoryOperations::



Public Methods

- VxStructure makeVxStructure (String base, String[] extLevels)

2.58.1 Detailed Description

A factory for VxStructure (p. ??)'s.

2.58.2 Member Function Documentation

2.58.2.1 VxStructure VxStructureFactoryOperations::makeVxStructure (String base, String extLevels[])

Reimplemented in _ConstructorStub (p. ??), _VxStructureFactoryStub (p. ??), ConstructorPOATie (p. ??), and VxStructureFactoryPOATie (p. ??).

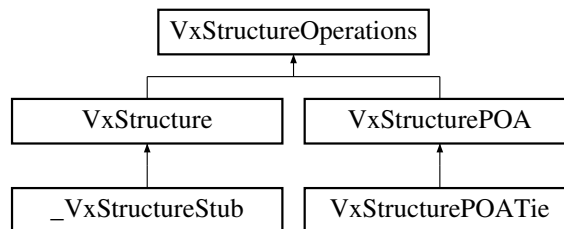
The documentation for this interface was generated from the following file:

- VxStructureFactoryOperations.java

2.59 VxStructureOperations Interface Reference

A video structure (VxStructure (p. ??) in C++).

Inheritance diagram for VxStructureOperations::



Public Methods

- String[] getLevelNames ()
- boolean exist (String levelId)
- int size (String levelId)
- boolean push (String level, VxSegmentation seg)
- boolean pushFromFile (String level, String filename)
- VxSegmentation get (String levelId)
- VxSegment getSegment (String levelId, int index)
- VxSegment mapsToSegment (String levelId, int timeSpan)
- VxSegmentation getFromInterval (String levelId, VxTimeSpan timeSpan, boolean complete)
- VxSegmentation getWhereInt (String levelId, String strType, int val)
- VxSegmentation getWhereString (String levelId, String strType, String val)
- VxSegmentation getShots ()

- VxSegmentation getEffects ()
- int mapsToIndex (String levelId, VxTimeSpan timeSpan)
- int mapsToIndexInt (String levelId, int timeSpan)
- int[] getSegmentBoundaries (String levelId, VxTimeSpan timeSpan)
- boolean isContinuous (String levelId)
- boolean isSequential (String levelId)
- boolean isParentOf (String levelId1, String levelId2)
- boolean isChildOf (String levelId1, String levelId2)
- VxStructureEval compare (String levelId, VxSegmentation foundTruth)

Public Attributes

- String BLOCKS = "blocks"
- String SHOTS = "shots"
- String EFFECTS = "effects"
- String SCENES = "scenes"

2.59.1 Detailed Description

A video structure (VxStructure (p. ??) in C++).

2.59.2 Member Function Documentation

2.59.2.1 String [] VxStructureOperations::getLevelNames ()

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.2 boolean VxStructureOperations::exist (String levelId)

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.3 int VxStructureOperations::size (String levelId)

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.4 boolean VxStructureOperations::push (String level, VxSegmentation seg)

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.5 boolean VxStructureOperations::pushFromFile (String level, String filename)

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.6 VxSegmentation VxStructureOperations::get (String levelId)

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.7 `VxSegment VxStructureOperations::getSegment (String levelId, int index)`

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.8 `VxSegment VxStructureOperations::mapsToSegment (String levelId, int timeSpan)`

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.9 `VxSegmentation VxStructureOperations::getFromInterval (String levelId, VxTimeSpan timeSpan, boolean complete)`

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.10 `VxSegmentation VxStructureOperations::getWhereInt (String levelId, String strType, int val)`

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.11 `VxSegmentation VxStructureOperations::getWhereString (String levelId, String strType, String val)`

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.12 `VxSegmentation VxStructureOperations::getShots ()`

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.13 `VxSegmentation VxStructureOperations::getEffects ()`

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.14 `int VxStructureOperations::mapsToIndex (String levelId, VxTimeSpan timeSpan)`

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.15 `int VxStructureOperations::mapsToIndexInt (String levelId, int timeSpan)`

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.16 `int [] VxStructureOperations::getSegmentBoundaries (String levelId, VxTimeSpan timeSpan)`

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.17 boolean VxStructureOperations::isContinuous (String *levelId*)

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.18 boolean VxStructureOperations::isSequential (String *levelId*)

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.19 boolean VxStructureOperations::isParentOf (String *levelId1*, String *levelId2*)

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.20 boolean VxStructureOperations::isChildOf (String *levelId1*, String *levelId2*)

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.2.21 VxStructureEval VxStructureOperations::compare (String *levelId*, VxSegmentation *foundTruth*)

Reimplemented in `_VxStructureStub` (p. ??), and `VxStructurePOATie` (p. ??).

2.59.3 Member Data Documentation

2.59.3.1 String VxStructureOperations::BLOCKS = "blocks"

Reimplemented in `VxStructure` (p. ??).

2.59.3.2 String VxStructureOperations::SHOTS = "shots"

Reimplemented in `VxStructure` (p. ??).

2.59.3.3 String VxStructureOperations::EFFECTS = "effects"

Reimplemented in `VxStructure` (p. ??).

2.59.3.4 String VxStructureOperations::SCENES = "scenes"

Reimplemented in `VxStructure` (p. ??).

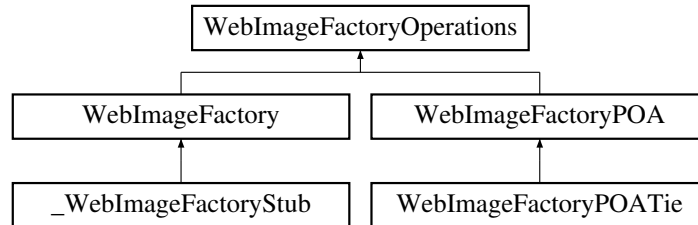
The documentation for this interface was generated from the following file:

- `VxStructureOperations.java`

2.60 WebImageFactoryOperations Interface Reference

A factory for ImageData (p. ??)'s from web images.

Inheritance diagram for WebImageFactoryOperations::



Public Methods

- ImageData makeImageFromURL (String url)

2.60.1 Detailed Description

A factory for ImageData (p. ??)'s from web images.

2.60.2 Member Function Documentation

2.60.2.1 ImageData WebImageFactoryOperations::makeImageFromURL (String url)

Reimplemented in _WebImageFactoryStub (p. ??), and WebImageFactoryPOATie (p. ??).

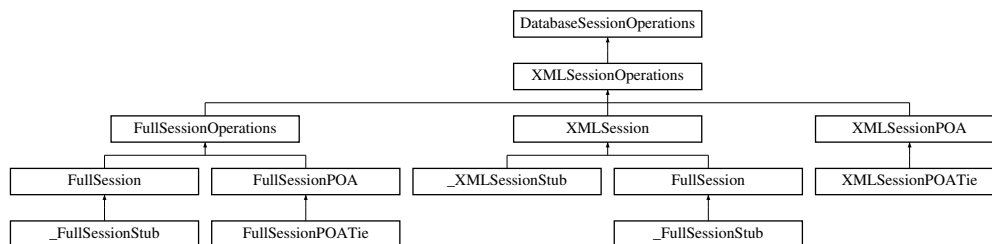
The documentation for this interface was generated from the following file:

- WebImageFactoryOperations.java

2.61 XMLSessionOperations Interface Reference

Am XML database session.

Inheritance diagram for XMLSessionOperations::



Public Methods

- **String queryXML (String sqlQuery) throws DatabaseException**
- **DBData[][] queryDBData (String sqlQuery, DBDataTag[] resultType) throws DatabaseException**

2.61.1 Detailed Description

Am XML database session.

2.61.2 Member Function Documentation

2.61.2.1 String XMLSessionOperations::queryXML (String *sqlQuery*)

Reimplemented in `_FullSessionStub` (p. ??), `_XMLSessionStub` (p. ??), `FullSessionPOATie` (p. ??), and `XMLSessionPOATie` (p. ??).

2.61.2.2 DBData [][] XMLSessionOperations::queryDBData (String *sqlQuery*, DBDataTag *resultType*[])

Reimplemented in `_FullSessionStub` (p. ??), `_XMLSessionStub` (p. ??), `FullSessionPOATie` (p. ??), and `XMLSessionPOATie` (p. ??).

The documentation for this interface was generated from the following file:

- `XMLSessionOperations.java`

Chapter 3

Exceptions, structs, and unions

3.1 BSplineType Class Reference

BSpline type.

Public Methods

- `int value ()`

Static Public Methods

- `BSplineType from_int (int value)`

Static Public Attributes

- `final int _CLOSED = 0`
- `final BSplineType CLOSED = new BSplineType(_CLOSED)`
- `final int _OPEN = 1`
- `final BSplineType OPEN = new BSplineType(_OPEN)`
- `final int _OPEN_REPEAT_END_POINTS = 2`
- `final BSplineType OPEN_REPEAT_END_POINTS = new BSplineType(_OPEN_REPEAT_END_POINTS)`

Protected Methods

- `BSplineType (int value)`

3.1.1 Detailed Description

BSpline type.

3.1.2 Constructor & Destructor Documentation

3.1.2.1 `BSplineType::BSplineType (int value)` [inline, protected]

3.1.3 Member Function Documentation

3.1.3.1 `int BSplineType::value ()` [inline]

3.1.3.2 `BSplineType BSplineType::from_int (int value)` [inline, static]

3.1.4 Member Data Documentation

3.1.4.1 `final int BSplineType::_CLOSED = 0` [static]

3.1.4.2 `final BSplineType BSplineType::CLOSED = new BSplineType(_CLOSED)` [static]

3.1.4.3 `final int BSplineType::_OPEN = 1` [static]

3.1.4.4 `final BSplineType BSplineType::OPEN = new BSplineType(_OPEN)` [static]

3.1.4.5 `final int BSplineType::_OPEN_REPEAT_END_POINTS = 2` [static]

3.1.4.6 `final BSplineType BSplineType::OPEN_REPEAT_END_POINTS = new BSplineType(_OPEN_REPEAT_END_POINTS)` [static]

The documentation for this class was generated from the following file:

- `BSplineType.java`

3.2 DatabaseException Class Reference

An exception in the database.

Public Methods

- `DatabaseException ()`
- `DatabaseException (int dbCode, String dbMessage, String message)`
- `DatabaseException (String _reason, int dbCode, String dbMessage, String message)`

Public Attributes

- `int dbCode`
- `String dbMessage`
- `String message`

3.2.1 Detailed Description

An exception in the database.

3.2.2 Constructor & Destructor Documentation

3.2.2.1 DatabaseException::DatabaseException () [inline]

3.2.2.2 DatabaseException::DatabaseException (int *dbCode*, String *dbMessage*, String *message*) [inline]

3.2.2.3 DatabaseException::DatabaseException (String *_reason*, int *dbCode*, String *dbMessage*, String *message*) [inline]

3.2.3 Member Data Documentation

3.2.3.1 int DatabaseException::dbCode

3.2.3.2 String DatabaseException::dbMessage

3.2.3.3 String DatabaseException::message

The documentation for this class was generated from the following file:

- DatabaseException.java

3.3 ImageException Class Reference

An exception in an ImageRep (p. ??) operation.

Public Methods

- ImageException ()
- ImageException (String *message*)
- ImageException (String *_reason*, String *message*)

Public Attributes

- String *message*

3.3.1 Detailed Description

An exception in an ImageRep (p. ??) operation.

3.3.2 Constructor & Destructor Documentation

3.3.2.1 `ImageSignature::ImageSignature ()` [inline]

3.3.2.2 `ImageSignature::ImageSignature (String message)` [inline]

3.3.2.3 `ImageSignature::ImageSignature (String reason, String message)` [inline]

3.3.3 Member Data Documentation

3.3.3.1 String `ImageSignature::message`

The documentation for this class was generated from the following file:

- `ImageSignature.java`

3.4 ImageSignature Class Reference

Image signature (`HxImageSignature` in C++).

Public Methods

- `int value ()`

Static Public Methods

- `ImageSignature from_int (int value)`

Static Public Attributes

- `final int _SIG2DBYTE = 0`
- `final ImageSignature SIG2DBYTE = new ImageSignature(_SIG2DBYTE)`
- `final int _SIG2DSHORT = 1`
- `final ImageSignature SIG2DSHORT = new ImageSignature(_SIG2DSHORT)`
- `final int _SIG2DINT = 2`
- `final ImageSignature SIG2DINT = new ImageSignature(_SIG2DINT)`
- `final int _SIG2DFLOAT = 3`
- `final ImageSignature SIG2DFLOAT = new ImageSignature(_SIG2DFLOAT)`
- `final int _SIG2DDOUBLE = 4`
- `final ImageSignature SIG2DDOUBLE = new ImageSignature(_SIG2DDOUBLE)`
- `final int _SIG2DVEC2BYTE = 5`
- `final ImageSignature SIG2DVEC2BYTE = new ImageSignature(_SIG2DVEC2BYTE)`
- `final int _SIG2DVEC2SHORT = 6`
- `final ImageSignature SIG2DVEC2SHORT = new ImageSignature(_SIG2DVEC2SHORT)`
- `final int _SIG2DVEC2INT = 7`
- `final ImageSignature SIG2DVEC2INT = new ImageSignature(_SIG2DVEC2INT)`
- `final int _SIG2DVEC2FLOAT = 8`
- `final ImageSignature SIG2DVEC2FLOAT = new ImageSignature(_SIG2DVEC2FLOAT)`

- `final int _SIG2DVEC2DOUBLE = 9`
- `final ImageSignature SIG2DVEC2DOUBLE = new ImageSignature(_SIG2DVEC2DOUBLE)`
- `final int _SIG2DVEC3BYTE = 10`
- `final ImageSignature SIG2DVEC3BYTE = new ImageSignature(_SIG2DVEC3BYTE)`
- `final int _SIG2DVEC3SHORT = 11`
- `final ImageSignature SIG2DVEC3SHORT = new ImageSignature(_SIG2DVEC3SHORT)`
- `final int _SIG2DVEC3INT = 12`
- `final ImageSignature SIG2DVEC3INT = new ImageSignature(_SIG2DVEC3INT)`
- `final int _SIG2DVEC3FLOAT = 13`
- `final ImageSignature SIG2DVEC3FLOAT = new ImageSignature(_SIG2DVEC3FLOAT)`
- `final int _SIG2DVEC3DOUBLE = 14`
- `final ImageSignature SIG2DVEC3DOUBLE = new ImageSignature(_SIG2DVEC3DOUBLE)`
- `final int _SIG2DCOMPLEX = 15`
- `final ImageSignature SIG2DCOMPLEX = new ImageSignature(_SIG2DCOMPLEX)`

Protected Methods

- `ImageSignature (int value)`

3.4.1 Detailed Description

Image signature (HxImageSignature in C++).

3.4.2 Constructor & Destructor Documentation

3.4.2.1 `ImageSignature::ImageSignature (int value)` [`inline`, `protected`]

3.4.3 Member Function Documentation

3.4.3.1 `int ImageSignature::value ()` [`inline`]

3.4.3.2 `ImageSignature ImageSignature::from_int (int value)` [`inline`, `static`]

3.4.4 Member Data Documentation

3.4.4.1 `final int ImageSignature::_SIG2DBYTE = 0` [`static`]

3.4.4.2 `final ImageSignature ImageSignature::_SIG2DBYTE = new ImageSignature(_SIG2DBYTE)` [`static`]

3.4.4.3 `final int ImageSignature::_SIG2DSHORT = 1` [`static`]

3.4.4.4 `final ImageSignature ImageSignature::_SIG2DSHORT = new ImageSignature(_SIG2DSHORT)` [`static`]

3.4.4.5 `final int ImageSignature::_SIG2DINT = 2` [`static`]

3.4.4.6 `final ImageSignature ImageSignature::_SIG2DINT = new ImageSignature(_SIG2DINT)` [`static`]

3.4.4.7 `final int ImageSignature::_SIG2DFLOAT = 3` [`static`]

3.4.4.8 `final ImageSignature ImageSignature::_SIG2DFLOAT = new ImageSignature(_SIG2DFLOAT)` [`static`]

3.4.4.9 `final int ImageSignature::_SIG2DDOUBLE = 4` [`static`]

3.4.4.10 `final ImageSignature ImageSignature::_SIG2DDOUBLE = new ImageSignature(_SIG2DDOUBLE)` [`static`]

3.4.4.11 `final int ImageSignature::_SIG2DVEC2BYTE = 5` [`static`]

3.4.4.12 `final ImageSignature ImageSignature::_SIG2DVEC2BYTE = new ImageSignature(_SIG2DVEC2BYTE)` [`static`]

3.4.4.13 `final int ImageSignature::_SIG2DVEC2SHORT = 6` [`static`]

3.4.4.14 `final ImageSignature ImageSignature::_SIG2DVEC2SHORT = new ImageSignature(_SIG2DVEC2SHORT)` [`static`]

3.4.4.15 `final int ImageSignature::_SIG2DVEC2INT = 7` [`static`]

3.4.4.16 `final ImageSignature ImageSignature::_SIG2DVEC2INT = new ImageSignature(_SIG2DVEC2INT)` [`static`]

3.4.4.17 `final int ImageSignature::_SIG2DVEC2FLOAT = 8` [`static`]

3.4.4.18 `final ImageSignature ImageSignature::_SIG2DVEC2FLOAT = new ImageSignature(_SIG2DVEC2FLOAT)` [`static`]

3.4.4.19 `final int ImageSignature::_SIG2DVEC2DOUBLE = 9` [`static`]

3.4.4.20 `final ImageSignature ImageSignature::_SIG2DVEC2DOUBLE = new`

- `ImageSignature.java`

3.5 Color Class Reference

Public Methods

- `Color ()`
- `Color (double x, double y, double z)`

Public Attributes

- `double x`
- `double y`
- `double z`

3.5.1 Constructor & Destructor Documentation

3.5.1.1 `Color::Color ()` [`inline`]

3.5.1.2 `Color::Color (double x, double y, double z)` [`inline`]

3.5.2 Member Data Documentation

3.5.2.1 `double Color::x`

3.5.2.2 `double Color::y`

3.5.2.3 `double Color::z`

The documentation for this class was generated from the following file:

- `Color.java`

3.6 ColorModel Class Reference

`Color` (p. 140) model (`HxColorModel` in C++).

Public Methods

- `int value ()`

Static Public Methods

- `ColorModel from_int (int value)`

Static Public Attributes

- `final int _RGB = 0`
- `final ColorModel RGB = new ColorModel(_RGB)`
- `final int _CMY = 1`
- `final ColorModel CMY = new ColorModel(_CMY)`
- `final int _XYZ = 2`
- `final ColorModel XYZ = new ColorModel(_XYZ)`
- `final int _Lab = 3`
- `final ColorModel Lab = new ColorModel(_Lab)`
- `final int _Luv = 4`
- `final ColorModel Luv = new ColorModel(_Luv)`
- `final int _OOO = 5`
- `final ColorModel OOO = new ColorModel(_OOO)`
- `final int _HSI = 6`
- `final ColorModel HSI = new ColorModel(_HSI)`

Protected Methods

- `ColorModel (int value)`

3.6.1 Detailed Description

Color (p. 140) model (HxColorModel in C++).

3.6.2 Constructor & Destructor Documentation

3.6.2.1 `ColorModel::ColorModel(int value)` [inline, protected]

3.6.3 Member Function Documentation

3.6.3.1 `int ColorModel::value()` [inline]

3.6.3.2 `ColorModel ColorModel::from_int(int value)` [inline, static]

3.6.4 Member Data Documentation

3.6.4.1 `final int ColorModel::_RGB = 0` [static]

3.6.4.2 `final ColorModel ColorModel::RGB = new ColorModel(_RGB)` [static]

3.6.4.3 `final int ColorModel::_CMY = 1` [static]

3.6.4.4 `final ColorModel ColorModel::CMY = new ColorModel(_CMY)` [static]

3.6.4.5 `final int ColorModel::_XYZ = 2` [static]

3.6.4.6 `final ColorModel ColorModel::XYZ = new ColorModel(_XYZ)` [static]

3.6.4.7 `final int ColorModel::_Lab = 3` [static]

3.6.4.8 `final ColorModel ColorModel::Lab = new ColorModel(_Lab)` [static]

3.6.4.9 `final int ColorModel::_Luv = 4` [static]

3.6.4.10 `final ColorModel ColorModel::Luv = new ColorModel(_Luv)` [static]

3.6.4.11 `final int ColorModel::_OOO = 5` [static]

3.6.4.12 `final ColorModel ColorModel::OOO = new ColorModel(_OOO)` [static]

3.6.4.13 `final int ColorModel::_HSI = 6` [static]

3.6.4.14 `final ColorModel ColorModel::HSI = new ColorModel(_HSI)` [static]

The documentation for this class was generated from the following file:

- `ColorModel.java`

3.7 Complex Class Reference

Complex value (`HxComplex` in C++).

Public Methods

- `Complex ()`
- `Complex (double x, double y)`

Public Attributes

- `double x`
- `double y`

3.7.1 Detailed Description

Complex value (HxComplex in C++).

3.7.2 Constructor & Destructor Documentation

3.7.2.1 `Complex::Complex () [inline]`

3.7.2.2 `Complex::Complex (double x, double y) [inline]`

3.7.3 Member Data Documentation

3.7.3.1 `double Complex::x`

3.7.3.2 `double Complex::y`

The documentation for this class was generated from the following file:

- `Complex.java`

3.8 DBDataTag Class Reference

XML database data tag.

Public Methods

- `int value ()`

Static Public Methods

- `DBDataTag from_int (int value)`

Static Public Attributes

- `final int _DBINT = 0`
- `final DBDataTag DBINT = new DBDataTag(_DBINT)`

- **final int _DBDOUBLE = 1**
- **final DBDataTag DBDOUBLE = new DBDataTag(_DBDOUBLE)**
- **final int _DBSTRING = 2**
- **final DBDataTag DBSTRING = new DBDataTag(_DBSTRING)**
- **final int _DBSEGMENTATION = 3**
- **final DBDataTag DBSEGMENTATION = new DBDataTag(_DBSEGMENTATION)**
- **final int _DBSEGMENT = 4**
- **final DBDataTag DBSEGMENT = new DBDataTag(_DBSEGMENT)**

Protected Methods

- **DBDataTag (int value)**

3.8.1 Detailed Description

XML database data tag.

3.8.2 Constructor & Destructor Documentation

3.8.2.1 `DBDataTag::DBDataTag(int value)` [inline, protected]

3.8.3 Member Function Documentation

3.8.3.1 `int DBDataTag::value()` [inline]

3.8.3.2 `DBDataTag DBDataTag::from_int(int value)` [inline, static]

3.8.4 Member Data Documentation

3.8.4.1 `final int DBDataTag::_DBINT = 0` [static]

3.8.4.2 `final DBDataTag DBDataTag::_DBINT = new DBDataTag(_DBINT)` [static]

3.8.4.3 `final int DBDataTag::_DBDOUBLE = 1` [static]

3.8.4.4 `final DBDataTag DBDataTag::_DBDOUBLE = new DBDataTag(_DBDOUBLE)`
[static]

3.8.4.5 `final int DBDataTag::_DBSTRING = 2` [static]

3.8.4.6 `final DBDataTag DBDataTag::_DBSTRING = new DBDataTag(_DBSTRING)` [static]

3.8.4.7 `final int DBDataTag::_DBSEGMENTATION = 3` [static]

3.8.4.8 `final DBDataTag DBDataTag::_DBSEGMENTATION = new DBDataTag(_DBSEGMENTATION)` [static]

3.8.4.9 `final int DBDataTag::_DBSEGMENT = 4` [static]

3.8.4.10 `final DBDataTag DBDataTag::_DBSEGMENT = new DBDataTag(_DBSEGMENT)`
[static]

The documentation for this class was generated from the following file:

- `DBDataTag.java`

3.9 GeoIntType Class Reference

Geometric interpolation type.

Public Methods

- `int value()`

Static Public Methods

- `GeoIntType from_int(int value)`

Static Public Attributes

- `final int _LINEAR = 0`
- `final GeoIntType LINEAR = new GeoIntType(_LINEAR)`
- `final int _NEAREST = 1`
- `final GeoIntType NEAREST = new GeoIntType(_NEAREST)`

Protected Methods

- `GeoIntType (int value)`

3.9.1 Detailed Description

Geometric interpolation type.

3.9.2 Constructor & Destructor Documentation

3.9.2.1 `GeoIntType::GeoIntType (int value)` [*inline, protected*]

3.9.3 Member Function Documentation

3.9.3.1 `int GeoIntType::value ()` [*inline*]

3.9.3.2 `GeoIntType GeoIntType::from_int (int value)` [*inline, static*]

3.9.4 Member Data Documentation

3.9.4.1 `final int GeoIntType::_LINEAR = 0` [*static*]

3.9.4.2 `final GeoIntType GeoIntType::LINEAR = new GeoIntType(_LINEAR)` [*static*]

3.9.4.3 `final int GeoIntType::_NEAREST = 1` [*static*]

3.9.4.4 `final GeoIntType GeoIntType::NEAREST = new GeoIntType(_NEAREST)` [*static*]

The documentation for this class was generated from the following file:

- `GeoIntType.java`

3.10 GeoTransType Class Reference

Geometric transformation type.

Public Methods

- `int value ()`

Static Public Methods

- `GeoTransType` `from_int` (`int` *value*)

Static Public Attributes

- `final int` `_FORWARD` = 0
- `final GeoTransType` `FORWARD` = `new GeoTransType(_FORWARD)`
- `final int` `_BACKWARD` = 1
- `final GeoTransType` `BACKWARD` = `new GeoTransType(_BACKWARD)`

Protected Methods

- `GeoTransType` (`int` *value*)

3.10.1 Detailed Description

Geometric transformation type.

3.10.2 Constructor & Destructor Documentation

3.10.2.1 `GeoTransType::GeoTransType` (`int` *value*) [`inline`, `protected`]

3.10.3 Member Function Documentation

3.10.3.1 `int` `GeoTransType::value` () [`inline`]

3.10.3.2 `GeoTransType` `GeoTransType::from_int` (`int` *value*) [`inline`, `static`]

3.10.4 Member Data Documentation

3.10.4.1 `final int` `GeoTransType::_FORWARD` = 0 [`static`]

3.10.4.2 `final GeoTransType` `GeoTransType::FORWARD` = `new GeoTransType(_FORWARD)`
[`static`]

3.10.4.3 `final int` `GeoTransType::_BACKWARD` = 1 [`static`]

3.10.4.4 `final GeoTransType` `GeoTransType::BACKWARD` = `new GeoTransType(_BACKWARD)`
[`static`]

The documentation for this class was generated from the following file:

- `GeoTransType.java`

3.11 HistogramMode Class Reference

`HistogramMode`.

Public Methods

- `HistogramMode ()`
- `HistogramMode (double x, double y)`

Public Attributes

- `double x`
- `double y`

3.11.1 Detailed Description

`HistogramMode`.

3.11.2 Constructor & Destructor Documentation

3.11.2.1 `HistogramMode::HistogramMode ()` [*inline*]

3.11.2.2 `HistogramMode::HistogramMode (double x, double y)` [*inline*]

3.11.3 Member Data Documentation

3.11.3.1 `double HistogramMode::x`

3.11.3.2 `double HistogramMode::y`

The documentation for this class was generated from the following file:

- `HistogramMode.java`

3.12 PixelT Class Reference

Pixel type.

Public Methods

- `int value ()`

Static Public Methods

- `PixelT from_int (int value)`

Static Public Attributes

- `final int _INT_VALUE = 0`
- `final PixelT INT_VALUE = new PixelT(_INT_VALUE)`

- `final int _REAL_VALUE = 1`
- `final PixelT REAL_VALUE = new PixelT(_REAL_VALUE)`
- `final int _COMPLEX_VALUE = 2`
- `final PixelT COMPLEX_VALUE = new PixelT(_COMPLEX_VALUE)`

Protected Methods

- `PixelT (int value)`

3.12.1 Detailed Description

Pixel type.

3.12.2 Constructor & Destructor Documentation

3.12.2.1 `PixelT::PixelT (int value)` [inline, protected]

3.12.3 Member Function Documentation

3.12.3.1 `int PixelT::value ()` [inline]

3.12.3.2 `PixelT PixelT::from_int (int value)` [inline, static]

3.12.4 Member Data Documentation

3.12.4.1 `final int PixelT::_INT_VALUE = 0` [static]

3.12.4.2 `final PixelT PixelT::INT_VALUE = new PixelT(_INT_VALUE)` [static]

3.12.4.3 `final int PixelT::_REAL_VALUE = 1` [static]

3.12.4.4 `final PixelT PixelT::REAL_VALUE = new PixelT(_REAL_VALUE)` [static]

3.12.4.5 `final int PixelT::_COMPLEX_VALUE = 2` [static]

3.12.4.6 `final PixelT PixelT::COMPLEX_VALUE = new PixelT(_COMPLEX_VALUE)`
[static]

The documentation for this class was generated from the following file:

- `PixelT.java`

3.13 PointR2 Class Reference

A point in R2 (HxPointR2 in C++).

Public Methods

- `PointR2 ()`
- `PointR2 (double x, double y)`

Public Attributes

- `double x`
- `double y`

3.13.1 Detailed Description

A point in R2 (HxPointR2 in C++).

3.13.2 Constructor & Destructor Documentation

3.13.2.1 `PointR2::PointR2 () [inline]`

3.13.2.2 `PointR2::PointR2 (double x, double y) [inline]`

3.13.3 Member Data Documentation

3.13.3.1 `double PointR2::x`

3.13.3.2 `double PointR2::y`

The documentation for this class was generated from the following file:

- `PointR2.java`

3.14 Point Class Reference

A point in R3 (HxPoint in C++).

Public Methods

- `Point ()`
- `Point (double x, double y, double z)`

Public Attributes

- `double x`
- `double y`
- `double z`

3.14.1 Detailed Description

A point in R3 (HxPoint in C++).

3.14.2 Constructor & Destructor Documentation

3.14.2.1 `Point::Point ()` [inline]

3.14.2.2 `Point::Point (double x, double y, double z)` [inline]

3.14.3 Member Data Documentation

3.14.3.1 `double Point::x`

3.14.3.2 `double Point::y`

3.14.3.3 `double Point::z`

The documentation for this class was generated from the following file:

- `Point.java`

3.15 ResultPrecision Class Reference

Specification of precision in result value.

Public Methods

- `int value ()`

Static Public Methods

- `ResultPrecision from_int (int value)`

Static Public Attributes

- `final int _SOURCE_PREC = 0`
- `final ResultPrecision SOURCE_PREC = new ResultPrecision(_SOURCE_PREC)`
- `final int _ARITH_PREC = 1`
- `final ResultPrecision ARITH_PREC = new ResultPrecision(_ARITH_PREC)`
- `final int _SMALL_PREC = 2`
- `final ResultPrecision SMALL_PREC = new ResultPrecision(_SMALL_PREC)`

Protected Methods

- `ResultPrecision (int value)`

3.15.1 Detailed Description

Specification of precision in result value.

3.15.2 Constructor & Destructor Documentation

3.15.2.1 `ResultPrecision::ResultPrecision (int value)` [`inline`, `protected`]

3.15.3 Member Function Documentation

3.15.3.1 `int ResultPrecision::value ()` [`inline`]

3.15.3.2 `ResultPrecision ResultPrecision::from_int (int value)` [`inline`, `static`]

3.15.4 Member Data Documentation

3.15.4.1 `final int ResultPrecision::_SOURCE_PREC = 0` [`static`]

3.15.4.2 `final ResultPrecision ResultPrecision::_SOURCE_PREC = new ResultPrecision(_SOURCE_PREC)` [`static`]

3.15.4.3 `final int ResultPrecision::_ARITH_PREC = 1` [`static`]

3.15.4.4 `final ResultPrecision ResultPrecision::_ARITH_PREC = new ResultPrecision(_ARITH_PREC)` [`static`]

3.15.4.5 `final int ResultPrecision::_SMALL_PREC = 2` [`static`]

3.15.4.6 `final ResultPrecision ResultPrecision::_SMALL_PREC = new ResultPrecision(_SMALL_PREC)` [`static`]

The documentation for this class was generated from the following file:

- `ResultPrecision.java`

3.16 SegmentQueryResult Class Reference

A segment as query result.

Public Methods

- `SegmentQueryResult ()`
- `SegmentQueryResult (String videoName, String segmentationName, VxSegment segment, Vx-TimeSpan time)`

Public Attributes

- `String videoName`

- String segmentationName
- VxSegment segment
- VxTimeSpan time

3.16.1 Detailed Description

A segment as query result.

3.16.2 Constructor & Destructor Documentation

3.16.2.1 SegmentQueryResult::SegmentQueryResult () [inline]

3.16.2.2 SegmentQueryResult::SegmentQueryResult (String *videoName*, String *segmentationName*, VxSegment *segment*, VxTimeSpan *time*) [inline]

3.16.3 Member Data Documentation

3.16.3.1 String SegmentQueryResult::videoName

3.16.3.2 String SegmentQueryResult::segmentationName

3.16.3.3 VxSegment SegmentQueryResult::segment

3.16.3.4 VxTimeSpan SegmentQueryResult::time

The documentation for this class was generated from the following file:

- SegmentQueryResult.java

3.17 Sizes Class Reference

Size specification in Z3 (HxSizes in C++).

Public Methods

- Sizes ()
- Sizes (int x, int y, int z)

Public Attributes

- int x
- int y
- int z

3.17.1 Detailed Description

Size specification in Z3 (HxSizes in C++).

3.17.2 Constructor & Destructor Documentation

3.17.2.1 `Sizes::Sizes ()` [`inline`]

3.17.2.2 `Sizes::Sizes (int x, int y, int z)` [`inline`]

3.17.3 Member Data Documentation

3.17.3.1 `int Sizes::x`

3.17.3.2 `int Sizes::y`

3.17.3.3 `int Sizes::z`

The documentation for this class was generated from the following file:

- `Sizes.java`

3.18 Vec2D Class Reference

Vector of 2 doubles (`HxVec2Double` in C++).

Public Methods

- `Vec2D ()`
- `Vec2D (double x, double y)`

Public Attributes

- `double x`
- `double y`

3.18.1 Detailed Description

Vector of 2 doubles (`HxVec2Double` in C++).

3.18.2 Constructor & Destructor Documentation

3.18.2.1 `Vec2D::Vec2D ()` [inline]

3.18.2.2 `Vec2D::Vec2D (double x, double y)` [inline]

3.18.3 Member Data Documentation

3.18.3.1 `double Vec2D::x`

3.18.3.2 `double Vec2D::y`

The documentation for this class was generated from the following file:

- `Vec2D.java`

3.19 Vec2I Class Reference

Vector of 2 integers (HxVec2Int in C++).

Public Methods

- `Vec2I ()`
- `Vec2I (int x, int y)`

Public Attributes

- `int x`
- `int y`

3.19.1 Detailed Description

Vector of 2 integers (HxVec2Int in C++).

3.19.2 Constructor & Destructor Documentation

3.19.2.1 `Vec2I::Vec2I ()` [inline]

3.19.2.2 `Vec2I::Vec2I (int x, int y)` [inline]

3.19.3 Member Data Documentation

3.19.3.1 `int Vec2I::x`

3.19.3.2 `int Vec2I::y`

The documentation for this class was generated from the following file:

- Vec2I.java

3.20 Vec3D Class Reference

Vector of 3 doubles (HxVec3Double in C++).

Public Methods

- Vec3D ()
- Vec3D (double x, double y, double z)

Public Attributes

- double x
- double y
- double z

3.20.1 Detailed Description

Vector of 3 doubles (HxVec3Double in C++).

3.20.2 Constructor & Destructor Documentation

3.20.2.1 Vec3D::Vec3D () [inline]

3.20.2.2 Vec3D::Vec3D (double x, double y, double z) [inline]

3.20.3 Member Data Documentation

3.20.3.1 double Vec3D::x

3.20.3.2 double Vec3D::y

3.20.3.3 double Vec3D::z

The documentation for this class was generated from the following file:

- Vec3D.java

3.21 Vec3I Class Reference

Vector of 3 integers (HxVec3Int in C++).

Public Methods

- `Vec3I ()`
- `Vec3I (int x, int y, int z)`

Public Attributes

- `int x`
- `int y`
- `int z`

3.21.1 Detailed Description

Vector of 3 integers (HxVec3Int in C++).

3.21.2 Constructor & Destructor Documentation

3.21.2.1 `Vec3I::Vec3I ()` [inline]

3.21.2.2 `Vec3I::Vec3I (int x, int y, int z)` [inline]

3.21.3 Member Data Documentation

3.21.3.1 `int Vec3I::x`

3.21.3.2 `int Vec3I::y`

3.21.3.3 `int Vec3I::z`

The documentation for this class was generated from the following file:

- `Vec3I.java`

3.22 VxStructureEval Class Reference

A video structure evaluation.

Public Methods

- `VxStructureEval ()`
- `VxStructureEval (int correct, int missed, int falseAlarm)`

Public Attributes

- `int correct`
- `int missed`
- `int falseAlarm`

3.22.1 Detailed Description

A video structure evaluation.

3.22.2 Constructor & Destructor Documentation

3.22.2.1 VxStructureEval::VxStructureEval () [inline]

3.22.2.2 VxStructureEval::VxStructureEval (int *correct*, int *missed*, int *falseAlarm*) [inline]

3.22.3 Member Data Documentation

3.22.3.1 int VxStructureEval::correct

3.22.3.2 int VxStructureEval::missed

3.22.3.3 int VxStructureEval::falseAlarm

The documentation for this class was generated from the following file:

- VxStructureEval.java

3.23 VxTimeSpan Class Reference

A time span in a video.

Public Methods

- VxTimeSpan ()
- VxTimeSpan (int start, int end)

Public Attributes

- int start
- int end

3.23.1 Detailed Description

A time span in a video.

3.23.2 Constructor & Destructor Documentation

3.23.2.1 `VxTimeSpan::VxTimeSpan ()` [inline]

3.23.2.2 `VxTimeSpan::VxTimeSpan (int start, int end)` [inline]

3.23.3 Member Data Documentation

3.23.3.1 `int VxTimeSpan::start`

3.23.3.2 `int VxTimeSpan::end`

The documentation for this class was generated from the following file:

- `VxTimeSpan.java`

3.24 DBData Class Reference

XML database data.

Public Methods

- `DBData ()`
- `DBDataTag discriminator ()`
- `int intData ()`
- `void intData (int val)`
- `double doubleData ()`
- `void doubleData (double val)`
- `String stringData ()`
- `void stringData (String val)`
- `VxSegmentation segmentation ()`
- `void segmentation (VxSegmentation val)`
- `VxSegment segment ()`
- `void segment (VxSegment val)`

3.24.1 Detailed Description

XML database data.

3.24.2 Constructor & Destructor Documentation

3.24.2.1 `DBData::DBData ()` [inline]

3.24.3 Member Function Documentation

3.24.3.1 `DBDataTag DBData::discriminator ()` [inline]

3.24.3.2 `int DBData::intData ()` [inline]

3.24.3.3 `void DBData::intData (int val)` [inline]

3.24.3.4 `double DBData::doubleData ()` [inline]

3.24.3.5 `void DBData::doubleData (double val)` [inline]

3.24.3.6 `String DBData::stringData ()` [inline]

3.24.3.7 `void DBData::stringData (String val)` [inline]

3.24.3.8 `VxSegmentation DBData::segmentation ()` [inline]

3.24.3.9 `void DBData::segmentation (VxSegmentation val)` [inline]

3.24.3.10 `VxSegment DBData::segment ()` [inline]

3.24.3.11 `void DBData::segment (VxSegment val)` [inline]

The documentation for this class was generated from the following file:

- `DBData.java`

3.25 PixValue Class Reference

A pixel value (`HxValue` in C++).

Public Methods

- `PixValue ()`
- `PixValueTag discriminator ()`
- `int scalarInt ()`
- `void scalarInt (int val)`
- `double scalarDouble ()`
- `void scalarDouble (double val)`
- `Vec2I vect2Int ()`
- `void vect2Int (Vec2I val)`
- `Vec2D vect2Double ()`
- `void vect2Double (Vec2D val)`
- `Vec3I vect3Int ()`

- void vect3Int (Vec3I val)
- Vec3D vect3Double ()
- void vect3Double (Vec3D val)
- Complex cplx ()
- void cplx (Complex val)

3.25.1 Detailed Description

A pixel value (HxValue in C++).

3.25.2 Constructor & Destructor Documentation

3.25.2.1 PixValue::PixValue () [inline]

3.25.3 Member Function Documentation

3.25.3.1 PixValueTag PixValue::discriminator () [inline]

3.25.3.2 int PixValue::scalarInt () [inline]

3.25.3.3 void PixValue::scalarInt (int val) [inline]

3.25.3.4 double PixValue::scalarDouble () [inline]

3.25.3.5 void PixValue::scalarDouble (double val) [inline]

3.25.3.6 Vec2I PixValue::vect2Int () [inline]

3.25.3.7 void PixValue::vect2Int (Vec2I val) [inline]

3.25.3.8 Vec2D PixValue::vect2Double () [inline]

3.25.3.9 void PixValue::vect2Double (Vec2D val) [inline]

3.25.3.10 Vec3I PixValue::vect3Int () [inline]

3.25.3.11 void PixValue::vect3Int (Vec3I val) [inline]

3.25.3.12 Vec3D PixValue::vect3Double () [inline]

3.25.3.13 void PixValue::vect3Double (Vec3D val) [inline]

3.25.3.14 Complex PixValue::cplx () [inline]

3.25.3.15 void PixValue::cplx (Complex val) [inline]

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- PixValue.java

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