ZcBrElement Class Reference

ZcBr Classes

Inheritance diagram for ZcBrElement:

Protected Member Functions

ZcBrElement & **operator=** (const ZcBrElement &)

ZcBrElement (const ZcBrElement &)

Protected Member Functions inherited from ZcBrMeshEntity

ZcBrMeshEntity & **operator=** (const ZcBrMeshEntity &)

ZcBrMeshEntity (const ZcBrMeshEntity &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

Additional Inherited Members

Public Member Functions inherited from ZcBrMeshEntity

ZSoft::Boolean **brepChanged** ()

ZcBr::ErrorStatus **getEntityAssociated** (ZcBrEntity *&)

ZcBr::ErrorStatus **getValidationLevel** (ZcBr::ValidationLevel &)

ZSoft::Boolean **isEqualTo** (const ZcRxObject *)

ZSoft::Boolean **isNull** ()

ZcBr::ErrorStatus **setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject * **clone** ()

Zcad::ErrorStatus **cloneEx** (CloneType *&)

virtual ZcRx::Ordering **comparedTo** (const ZcRxObject *)

virtual Zcad::ErrorStatus **copyFrom** (const ZcRxObject *)

virtual ZcRxClass * **isA** ()

bool **isKindOf** (const ZcRxClass *)

ZcRxObject * **queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static [ZcRxClass](#) * **desc** ()

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

- zcbrelem.h

ZcBrElement2d Member List

This is the complete list of members for ZcBrElement2d, including all inherited members.

brepChanged() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
get(ZcBrElement2dData *&) (defined in ZcBrElement2d)	ZcBrElement2d	
getEntityAssociated(ZcBrEntity *&) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
getNormal(ZcGeVector3d &) (defined in ZcBrElement2d)	ZcBrElement2d	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
operator=(const ZcBrElement2d &) (defined in ZcBrElement2d)	ZcBrElement2d	
operator=(const ZcBrElement &) (defined in ZcBrElement)	ZcBrElement	protected
operator=(const ZcBrMeshEntity &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
set(ZcBrElement2dData *) (defined in ZcBrElement2d)	ZcBrElement2d	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrElement() (defined in ZcBrElement)	ZcBrElement	protected
ZcBrElement(const ZcBrElement &) (defined in ZcBrElement)	ZcBrElement	protected
ZcBrElement2d() (defined in ZcBrElement2d)	ZcBrElement2d	
ZcBrElement2d(const ZcBrElement2d &) (defined in ZcBrElement2d)	ZcBrElement2d	
ZcBrMeshEntity() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
ZcBrMeshEntity(const ZcBrMeshEntity &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrElement() (defined in ZcBrElement)	ZcBrElement	virtual
~ZcBrElement2d() (defined in ZcBrElement2d)	ZcBrElement2d	
~ZcBrMeshEntity() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	virtual
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZRX API Reference 2026
Documents the ZRX classes, member functions, global functions, namespaces, enumerations, structures, and macros.

ZcBrElement2d Class Reference

Inheritance diagram for ZcBrElement2d:

Public Member Functions

ZcBr::ErrorStatus	**get** (ZcBrElement2dData *&)
ZcBr::ErrorStatus	**getNormal** (ZcGeVector3d &)
ZcBrElement2d &	**operator=** (const ZcBrElement2d &)
ZcBr::ErrorStatus	**set** (ZcBrElement2dData *)
	ZcBrElement2d (const ZcBrElement2d &)

Public Member Functions inherited from ZcBrMeshEntity

ZSoft::Boolean	**brepChanged** ()
ZcBr::ErrorStatus	**getEntityAssociated** (ZcBrEntity *&)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBr::ErrorStatus	**setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**clone** ()
Zcad::ErrorStatus	**cloneEx** (CloneType *&)
virtual ZcRx::Ordering	**comparedTo** (const ZcRxObject *)
virtual Zcad::ErrorStatus	**copyFrom** (const ZcRxObject *)
virtual ZcRxClass *	**isA** ()
bool	**isKindOf** (const ZcRxClass *)
ZcRxObject *	**queryX** (const ZcRxClass *)
ZcRxObject *	**x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject *	**cast** (const ZcRxObject *)
static const wchar_t *	**className** ()
static ZcRxClass *	**desc** ()

Protected Member Functions inherited from ZcBrElement

ZcBrElement & **operator=** (const ZcBrElement &)

ZcBrElement (const ZcBrElement &)

Protected Member Functions inherited from ZcBrMeshEntity

ZcBrMeshEntity & **operator=** (const ZcBrMeshEntity &)

ZcBrMeshEntity (const ZcBrMeshEntity &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrelem2d.h

ZcBrElement2dNodeTraverser Member List

This is the complete list of members for ZcBrElement2dNodeTraverser, including all inherited members.

brepChanged() (defined in ZcBrTraverser)	ZcBrTraverser	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
done() (defined in ZcBrTraverser)	ZcBrTraverser	
get(ZcBrTraverserData *&) (defined in ZcBrTraverser)	ZcBrTraverser	
getElement(ZcBrElement2d &) (defined in ZcBrElement2dNodeTraverser)	ZcBrElement2dNodeTraverser	
getNode(ZcBrNode &) (defined in ZcBrElement2dNodeTraverser)	ZcBrElement2dNodeTraverser	
getParamPoint(ZcGePoint2d &) (defined in ZcBrElement2dNodeTraverser)	ZcBrElement2dNodeTraverser	
getSurfaceNormal(ZcGeVector3d &) (defined in ZcBrElement2dNodeTraverser)	ZcBrElement2dNodeTraverser	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrTraverser)	ZcBrTraverser	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrTraverser)	ZcBrTraverser	
next() (defined in ZcBrTraverser)	ZcBrTraverser	
operator=(const ZcBrElement2dNodeTraverser &) (defined in ZcBrElement2dNodeTraverser)	ZcBrElement2dNodeTraverser	
operator=(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
restart() (defined in ZcBrTraverser)	ZcBrTraverser	
set(ZcBrTraverserData *) (defined in ZcBrTraverser)	ZcBrTraverser	
setElement(const ZcBrMesh2dElement2dTraverser &) (defined in ZcBrElement2dNodeTraverser)	ZcBrElement2dNodeTraverser	
setElement(const ZcBrElement2d &) (defined in ZcBrElement2dNodeTraverser)	ZcBrElement2dNodeTraverser	
setNode(const ZcBrNode &) (defined in ZcBrElement2dNodeTraverser)	ZcBrElement2dNodeTraverser	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrElement2dNodeTraverser() (defined in ZcBrElement2dNodeTraverser)	ZcBrElement2dNodeTraverser	
ZcBrElement2dNodeTraverser(const ZcBrElement2dNodeTraverser &) (defined in ZcBrElement2dNodeTraverser)	ZcBrElement2dNodeTraverser	
ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcBrTraverser(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrElement2dNodeTraverser() (defined in ZcBrElement2dNodeTraverser)	ZcBrElement2dNodeTraverser	
~ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	virtual
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZcBrElement2dNodeTraverser Class Reference

ZcBr Classes

Inheritance diagram for ZcBrElement2dNodeTraverser:

Public Member Functions

ZcBr::ErrorStatus	**getElement** (ZcBrElement2d &)
ZcBr::ErrorStatus	**getNode** (ZcBrNode &)
ZcBr::ErrorStatus	**getParamPoint** (ZcGePoint2d &)
ZcBr::ErrorStatus	**getSurfaceNormal** (ZcGeVector3d &)
ZcBrElement2dNodeTraverser &	**operator=** (const ZcBrElement2dNodeTraverser &)
ZcBr::ErrorStatus	**setElement** (const ZcBrMesh2dElement2dTraverser &)
ZcBr::ErrorStatus	**setElement** (const ZcBrElement2d &)
ZcBr::ErrorStatus	**setNode** (const ZcBrNode &)
	ZcBrElement2dNodeTraverser (const ZcBrElement2dNodeTraverser &)

Public Member Functions inherited from ZcBrTraverser

ZSoft::Boolean	**brepChanged** ()
ZSoft::Boolean	**done** ()
ZcBr::ErrorStatus	**get** (ZcBrTraverserData *&)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBr::ErrorStatus	**next** ()
ZcBr::ErrorStatus	**restart** ()
ZcBr::ErrorStatus	**set** (ZcBrTraverserData *)
ZcBr::ErrorStatus	**setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**clone** ()
Zcad::ErrorStatus	**cloneEx** (CloneType *&)
virtual ZcRx::Ordering	**comparedTo** (const ZcRxObject *)
virtual Zcad::ErrorStatus	**copyFrom** (const ZcRxObject *)
virtual ZcRxClass *	**isA** ()

bool **isKindOf** (const ZcRxClass *)

ZcRxObject * **queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcBrTraverser

ZcBrTraverser & **operator=** (const ZcBrTraverser &)

ZcBrTraverser (const ZcBrTraverser &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrentrav.h

ZcBrEntity Member List

This is the complete list of members for ZcBrEntity, including all inherited members.

brepChanged() (defined in ZcBrEntity)	ZcBrEntity	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
checkEntity() (defined in ZcBrEntity)	ZcBrEntity	
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
get(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
get(ZcBrBrepData *&) (defined in ZcBrEntity)	ZcBrEntity	
getBoundBlock(ZcGeBoundBlock3d &) (defined in ZcBrEntity)	ZcBrEntity	
getBrep(ZcBrBrep &) (defined in ZcBrEntity)	ZcBrEntity	
getEntity() (defined in ZcBrEntity)	ZcBrEntity	
getLineContainment(const ZcGeLinearEnt3d &, const ZSoft::UInt32 &, ZSoft::UInt32 &, ZcBrHit *&) (defined in ZcBrEntity)	ZcBrEntity	
getMassProps(ZcBrMassProps &, const double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getPerimeterLength(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getPointContainment(const ZcGePoint3d &, ZcGe::PointContainment &, ZcBrEntity *&) (defined in ZcBrEntity)	ZcBrEntity	
getSubentPath(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
getSurfaceArea(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrEntity)	ZcBrEntity	
getVolume(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
internalImp() (defined in ZcBrEntity)	ZcBrEntity	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrEntity)	ZcBrEntity	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrEntity)	ZcBrEntity	
operator=(const ZcBrEntity &) (defined in ZcBrEntity)	ZcBrEntity	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
set(const ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
set(ZcBrBrepData *) (defined in ZcBrEntity)	ZcBrEntity	
setEntity(void *, ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
setSubentPath(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrEntity)	ZcBrEntity	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrEntity() (defined in ZcBrEntity)	ZcBrEntity	protected
ZcBrEntity(const ZcBrEntity &) (defined in ZcBrEntity)	ZcBrEntity	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrEntity() (defined in ZcBrEntity)	ZcBrEntity	virtual
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZRX API Reference 2026
Documents the ZRX classes, member functions, global functions, namespaces, enumerations, structures, and macros.

ZcBrEntity Class Reference

Inheritance diagram for ZcBrEntity:

Public Member Functions

ZSoft::Boolean	**brepChanged** ()
ZSoft::Boolean	**checkEntity** ()
ZcBr::ErrorStatus	**get** (ZcDbFullSubentPath &)
ZcBr::ErrorStatus	**get** (ZcBrBrepData *&)
ZcBr::ErrorStatus	**getBoundBlock** (ZcGeBoundBlock3d &)
ZcBr::ErrorStatus	**getBrep** (ZcBrBrep &)
void *	**getEntity** ()
ZcBr::ErrorStatus	**getLineContainment** (const ZcGeLinearEnt3d &, const ZSoft::UInt32 &, ZSoft::UInt32 &, ZcBrHit *&)
ZcBr::ErrorStatus	**getMassProps** (ZcBrMassProps &, const double &, const double &, double &)
ZcBr::ErrorStatus	**getPerimeterLength** (double &, const double &, double &)
ZcBr::ErrorStatus	**getPointContainment** (const ZcGePoint3d &, ZcGe::PointContainment &, ZcBrEntity *&)
ZcBr::ErrorStatus	**getSubentPath** (ZcDbFullSubentPath &)
ZcBr::ErrorStatus	**getSurfaceArea** (double &, const double &, double &)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZcBr::ErrorStatus	**getVolume** (double &, const double &, double &)
void *	**internalImp** ()
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBr::ErrorStatus	**set** (const ZcDbFullSubentPath &)
ZcBr::ErrorStatus	**set** (ZcBrBrepData *)
ZcBr::ErrorStatus	**setEntity** (void *, ZcDbFullSubentPath &)
ZcBr::ErrorStatus	**setSubentPath** (ZcDbFullSubentPath &)
ZcBr::ErrorStatus	**setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**clone** ()
Zcad::ErrorStatus	**cloneEx** (CloneType *&)

virtual ZcRx::Ordering **comparedTo** (const ZcRxObject *)

virtual Zcad::ErrorStatus **copyFrom** (const ZcRxObject *)

virtual ZcRxClass * **isA** ()

bool **isKindOf** (const ZcRxClass *)

ZcRxObject * **queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Protected Member Functions

ZcBrEntity & **operator=** (const ZcBrEntity &)

ZcBrEntity (const ZcBrEntity &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

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

- zcbrent.h

ZcBrFace Member List

This is the complete list of members for ZcBrFace, including all inherited members.

brepChanged() (defined in ZcBrEntity)	ZcBrEntity	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
checkEntity() (defined in ZcBrEntity)	ZcBrEntity	
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
get(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
get(ZcBrBrepData *&) (defined in ZcBrEntity)	ZcBrEntity	
getArea(double &, const double *, double *) (defined in ZcBrFace)	ZcBrFace	
getBoundBlock(ZcGeBoundBlock3d &) (defined in ZcBrEntity)	ZcBrEntity	
getBrep(ZcBrBrep &) (defined in ZcBrEntity)	ZcBrEntity	
getCurveRelationToFace(const ZcGeCurve3d &, ZcBr::Relation &) (defined in ZcBrFace)	ZcBrFace	
getEntity() (defined in ZcBrEntity)	ZcBrEntity	
getLineContainment(const ZcGeLinearEnt3d &, const ZSoft::UInt32 &, ZSoft::UInt32 &, ZcBrHit *&) (defined in ZcBrEntity)	ZcBrEntity	
getMassProps(ZcBrMassProps &, const double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getOrientToSurface(ZSoft::Boolean &) (defined in ZcBrFace)	ZcBrFace	
getPerimeterLength(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getPointContainment(const ZcGePoint3d &, ZcGe::PointContainment &, ZcBrEntity *&) (defined in ZcBrEntity)	ZcBrEntity	
getPointRelationToFace(const ZcGePoint3d &, ZcBr::Relation &) (defined in ZcBrFace)	ZcBrFace	
getShell(ZcBrShell &) (defined in ZcBrFace)	ZcBrFace	
getSubentPath(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
getSurface(ZcGeSurface *&) (defined in ZcBrFace)	ZcBrFace	
getSurfaceArea(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getSurfaceAsNurb(ZcGeNurbSurface &, const double *, double *) (defined in ZcBrFace)	ZcBrFace	
getSurfaceAsTrimmedNurbs(ZSoft::UInt32 &, ZcGeExternalBoundedSurface **&) (defined in ZcBrFace)	ZcBrFace	
getSurfaceType(ZcGe::EntityId &) (defined in ZcBrFace)	ZcBrFace	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrEntity)	ZcBrEntity	
getVolume(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
internalImp() (defined in ZcBrEntity)	ZcBrEntity	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrEntity)	ZcBrEntity	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrEntity)	ZcBrEntity	
operator=(const ZcBrFace &) (defined in ZcBrFace)	ZcBrFace	
operator=(const ZcBrEntity &) (defined in ZcBrEntity)	ZcBrEntity	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
set(const ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
set(ZcBrBrepData *) (defined in ZcBrEntity)	ZcBrEntity	
setEntity(void *, ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
setSubentPath(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrEntity)	ZcBrEntity	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrEntity() (defined in ZcBrEntity)	ZcBrEntity	protected
ZcBrEntity(const ZcBrEntity &) (defined in ZcBrEntity)	ZcBrEntity	protected
ZcBrFace() (defined in ZcBrFace)	ZcBrFace	
ZcBrFace(const ZcBrFace &) (defined in ZcBrFace)	ZcBrFace	
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrEntity() (defined in ZcBrEntity)	ZcBrEntity	virtual
~ZcBrFace() (defined in ZcBrFace)	ZcBrFace	

~ZcRxObject() (defined in ZcRxObject)	ZcRxObject virtual

ZRX API Reference 2026
Documents the ZRX classes, member functions, global functions, namespaces, enumerations, structures, and macros.

ZcBrFace Class Reference

Inheritance diagram for ZcBrFace:

Public Member Functions

ZcBr::ErrorStatus **getArea** (double &, const double *, double *)

ZcBr::ErrorStatus **getCurveRelationToFace** (const ZcGeCurve3d &, ZcBr::Relation &)

ZcBr::ErrorStatus **getOrientToSurface** (ZSoft::Boolean &)

ZcBr::ErrorStatus **getPointRelationToFace** (const ZcGePoint3d &, ZcBr::Relation &)

ZcBr::ErrorStatus **getShell** (ZcBrShell &)

ZcBr::ErrorStatus **getSurface** (ZcGeSurface *&)

ZcBr::ErrorStatus **getSurfaceAsNurb** (ZcGeNurbSurface &, const double *, double *)

ZcBr::ErrorStatus **getSurfaceAsTrimmedNurbs** (ZSoft::UInt32 &, ZcGeExternalBoundedSurface **&)

ZcBr::ErrorStatus **getSurfaceType** (ZcGe::EntityId &)

ZcBrFace & **operator=** (const ZcBrFace &)

ZcBrFace (const ZcBrFace &)

Public Member Functions inherited from ZcBrEntity

ZSoft::Boolean **brepChanged** ()

ZSoft::Boolean **checkEntity** ()

ZcBr::ErrorStatus **get** (ZcDbFullSubentPath &)

ZcBr::ErrorStatus **get** (ZcBrBrepData *&)

ZcBr::ErrorStatus **getBoundBlock** (ZcGeBoundBlock3d &)

ZcBr::ErrorStatus **getBrep** (ZcBrBrep &)

void * **getEntity** ()

ZcBr::ErrorStatus **getLineContainment** (const ZcGeLinearEnt3d &, const ZSoft::UInt32 &, ZSoft::UInt32 &, ZcBrHit *&)

ZcBr::ErrorStatus **getMassProps** (ZcBrMassProps &, const double &, const double &, double &)

ZcBr::ErrorStatus **getPerimeterLength** (double &, const double &, double &)

ZcBr::ErrorStatus **getPointContainment** (const ZcGePoint3d &, ZcGe::PointContainment &, ZcBrEntity *&)

ZcBr::ErrorStatus **getSubentPath** (ZcDbFullSubentPath &)

ZcBr::ErrorStatus **getSurfaceArea** (double &, const double &, double &)

ZcBr::ErrorStatus **getValidationLevel** (ZcBr::ValidationLevel &)

ZcBr::ErrorStatus **getVolume** (double &, const double &, double &)

void * **internalImp** ()

ZSoft::Boolean **isEqualTo** (const ZcRxObject *)

ZSoft::Boolean **isNull** ()

ZcBr::ErrorStatus **set** (const ZcDbFullSubentPath &)

ZcBr::ErrorStatus **set** (ZcBrBrepData *)

ZcBr::ErrorStatus **setEntity** (void *, ZcDbFullSubentPath &)

ZcBr::ErrorStatus **setSubentPath** (ZcDbFullSubentPath &)

ZcBr::ErrorStatus **setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject * **clone** ()

Zcad::ErrorStatus **cloneEx** (CloneType *&)

virtual ZcRx::Ordering **comparedTo** (const ZcRxObject *)

virtual Zcad::ErrorStatus **copyFrom** (const ZcRxObject *)

virtual ZcRxClass * **isA** ()

bool **isKindOf** (const ZcRxClass *)

ZcRxObject * **queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcBrEntity

ZcBrEntity & **operator=** (const ZcBrEntity &)

ZcBrEntity (const ZcBrEntity &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrface.h

ZcBrFaceLoopTraverser Member List

This is the complete list of members for ZcBrFaceLoopTraverser, including all inherited members.

brepChanged() (defined in ZcBrTraverser)	ZcBrTraverser	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
done() (defined in ZcBrTraverser)	ZcBrTraverser	
get(ZcBrTraverserData *&) (defined in ZcBrTraverser)	ZcBrTraverser	
getFace(ZcBrFace &) (defined in ZcBrFaceLoopTraverser)	ZcBrFaceLoopTraverser	
getLoop(ZcBrLoop &) (defined in ZcBrFaceLoopTraverser)	ZcBrFaceLoopTraverser	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrTraverser)	ZcBrTraverser	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrTraverser)	ZcBrTraverser	
next() (defined in ZcBrTraverser)	ZcBrTraverser	
operator=(const ZcBrFaceLoopTraverser &) (defined in ZcBrFaceLoopTraverser)	ZcBrFaceLoopTraverser	
operator=(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
restart() (defined in ZcBrTraverser)	ZcBrTraverser	
set(ZcBrTraverserData *) (defined in ZcBrTraverser)	ZcBrTraverser	
setFace(ZcBrFace &) (defined in ZcBrFaceLoopTraverser)	ZcBrFaceLoopTraverser	
setFace(const ZcBrFace &) (defined in ZcBrFaceLoopTraverser)	ZcBrFaceLoopTraverser	
setFace(const ZcBrShellFaceTraverser &) (defined in ZcBrFaceLoopTraverser)	ZcBrFaceLoopTraverser	
setFaceAndLoop(const ZcBrLoop &) (defined in ZcBrFaceLoopTraverser)	ZcBrFaceLoopTraverser	
setLoop(ZcBrLoop &) (defined in ZcBrFaceLoopTraverser)	ZcBrFaceLoopTraverser	
setLoop(const ZcBrLoop &) (defined in ZcBrFaceLoopTraverser)	ZcBrFaceLoopTraverser	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrFaceLoopTraverser() (defined in ZcBrFaceLoopTraverser)	ZcBrFaceLoopTraverser	
ZcBrFaceLoopTraverser(const ZcBrFaceLoopTraverser &) (defined in ZcBrFaceLoopTraverser)	ZcBrFaceLoopTraverser	
ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcBrTraverser(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrFaceLoopTraverser() (defined in ZcBrFaceLoopTraverser)	ZcBrFaceLoopTraverser	
~ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	virtual
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZcBrFaceLoopTraverser Class Reference

ZcBr Classes

Inheritance diagram for ZcBrFaceLoopTraverser:

Public Member Functions

ZcBr::ErrorStatus **getFace** (ZcBrFace &)

ZcBr::ErrorStatus **getLoop** (ZcBrLoop &)

ZcBrFaceLoopTraverser & **operator=** (const ZcBrFaceLoopTraverser &)

ZcBr::ErrorStatus **setFace** (ZcBrFace &)

ZcBr::ErrorStatus **setFace** (const ZcBrFace &)

ZcBr::ErrorStatus **setFace** (const ZcBrShellFaceTraverser &)

ZcBr::ErrorStatus **setFaceAndLoop** (const ZcBrLoop &)

ZcBr::ErrorStatus **setLoop** (ZcBrLoop &)

ZcBr::ErrorStatus **setLoop** (const ZcBrLoop &)

ZcBrFaceLoopTraverser (const ZcBrFaceLoopTraverser &)

Public Member Functions inherited from ZcBrTraverser

ZSoft::Boolean **brepChanged** ()

ZSoft::Boolean **done** ()

ZcBr::ErrorStatus **get** (ZcBrTraverserData *&)

ZcBr::ErrorStatus **getValidationLevel** (ZcBr::ValidationLevel &)

ZSoft::Boolean **isEqualTo** (const ZcRxObject *)

ZSoft::Boolean **isNull** ()

ZcBr::ErrorStatus **next** ()

ZcBr::ErrorStatus **restart** ()

ZcBr::ErrorStatus **set** (ZcBrTraverserData *)

ZcBr::ErrorStatus **setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject * **clone** ()

Zcad::ErrorStatus **cloneEx** (CloneType *&)

virtual ZcRx::Ordering **comparedTo** (const ZcRxObject *)

virtual Zcad::ErrorStatus **copyFrom** (const ZcRxObject *)

virtual ZcRxClass * **isA** ()

bool **isKindOf** (const ZcRxClass *)

ZcRxObject * **queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcBrTraverser

ZcBrTraverser & **operator=** (const ZcBrTraverser &)

ZcBrTraverser (const ZcBrTraverser &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrfltrav.h

ZcBrHit Member List

This is the complete list of members for ZcBrHit, including all inherited members.

brepChanged() (defined in ZcBrHit)	ZcBrHit	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
get(ZcBrHitData *&) (defined in ZcBrHit)	ZcBrHit	
getEntityAssociated(ZcBrEntity *&) (defined in ZcBrHit)	ZcBrHit	
getEntityEntered(ZcBrEntity *&) (defined in ZcBrHit)	ZcBrHit	
getEntityHit(ZcBrEntity *&) (defined in ZcBrHit)	ZcBrHit	
getPoint(ZcGePoint3d *&) (defined in ZcBrHit)	ZcBrHit	
getPoint(ZcGePoint3d &) (defined in ZcBrHit)	ZcBrHit	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrHit)	ZcBrHit	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrHit)	ZcBrHit	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrHit)	ZcBrHit	
operator=(const ZcBrHit &) (defined in ZcBrHit)	ZcBrHit	
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
set(ZcBrHitData *) (defined in ZcBrHit)	ZcBrHit	
setHitPath(ZcBrHitPath &) (defined in ZcBrHit)	ZcBrHit	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrHit)	ZcBrHit	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrHit() (defined in ZcBrHit)	ZcBrHit	
ZcBrHit(const ZcBrHit &) (defined in ZcBrHit)	ZcBrHit	
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrHit() (defined in ZcBrHit)	ZcBrHit	
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZcBrHit Class Reference

ZcBr Classes

Inheritance diagram for ZcBrHit:

Public Member Functions

ZSoft::Boolean	**brepChanged** ()
ZcBr::ErrorStatus	**get** (ZcBrHitData *&)
ZcBr::ErrorStatus	**getEntityAssociated** (ZcBrEntity *&)
ZcBr::ErrorStatus	**getEntityEntered** (ZcBrEntity *&)
ZcBr::ErrorStatus	**getEntityHit** (ZcBrEntity *&)
ZcBr::ErrorStatus	**getPoint** (ZcGePoint3d *&)
ZcBr::ErrorStatus	**getPoint** (ZcGePoint3d &)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBrHit &	**operator=** (const ZcBrHit &)
ZcBr::ErrorStatus	**set** (ZcBrHitData *)
ZcBr::ErrorStatus	**setHitPath** (ZcBrHitPath &)
ZcBr::ErrorStatus	**setValidationLevel** (const ZcBr::ValidationLevel &)
	ZcBrHit (const ZcBrHit &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**clone** ()
Zcad::ErrorStatus	**cloneEx** (CloneType *&)
virtual ZcRx::Ordering	**comparedTo** (const ZcRxObject *)
virtual Zcad::ErrorStatus	**copyFrom** (const ZcRxObject *)
virtual ZcRxClass *	**isA** ()
bool	**isKindOf** (const ZcRxClass *)
ZcRxObject *	**queryX** (const ZcRxClass *)
ZcRxObject *	**x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrhit.h

ZcBrLoop Member List

This is the complete list of members for ZcBrLoop, including all inherited members.

brepChanged() (defined in ZcBrEntity)	ZcBrEntity	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
checkEntity() (defined in ZcBrEntity)	ZcBrEntity	
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
get(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
get(ZcBrBrepData *&) (defined in ZcBrEntity)	ZcBrEntity	
getBoundBlock(ZcGeBoundBlock3d &) (defined in ZcBrEntity)	ZcBrEntity	
getBrep(ZcBrBrep &) (defined in ZcBrEntity)	ZcBrEntity	
getEntity() (defined in ZcBrEntity)	ZcBrEntity	
getFace(ZcBrFace &) (defined in ZcBrLoop)	ZcBrLoop	
getLineContainment(const ZcGeLinearEnt3d &, const ZSoft::UInt32 &, ZSoft::UInt32 &, ZcBrHit *&) (defined in ZcBrEntity)	ZcBrEntity	
getMassProps(ZcBrMassProps &, const double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getPerimeterLength(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getPointContainment(const ZcGePoint3d &, ZcGe::PointContainment &, ZcBrEntity *&) (defined in ZcBrEntity)	ZcBrEntity	
getSubentPath(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
getSurfaceArea(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getType(ZcBr::LoopType &) (defined in ZcBrLoop)	ZcBrLoop	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrEntity)	ZcBrEntity	
getVolume(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
internalImp() (defined in ZcBrEntity)	ZcBrEntity	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrEntity)	ZcBrEntity	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrEntity)	ZcBrEntity	
operator=(const ZcBrLoop &) (defined in ZcBrLoop)	ZcBrLoop	
operator=(const ZcBrEntity &) (defined in ZcBrEntity)	ZcBrEntity	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
set(const ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
set(ZcBrBrepData *) (defined in ZcBrEntity)	ZcBrEntity	
setEntity(void *, ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
setSubentPath(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrEntity)	ZcBrEntity	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrEntity() (defined in ZcBrEntity)	ZcBrEntity	protected
ZcBrEntity(const ZcBrEntity &) (defined in ZcBrEntity)	ZcBrEntity	protected
ZcBrLoop() (defined in ZcBrLoop)	ZcBrLoop	
ZcBrLoop(const ZcBrLoop &) (defined in ZcBrLoop)	ZcBrLoop	
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrEntity() (defined in ZcBrEntity)	ZcBrEntity	virtual
~ZcBrLoop() (defined in ZcBrLoop)	ZcBrLoop	
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZcBrLoop Class Reference

ZcBr Classes

Inheritance diagram for ZcBrLoop:

Public Member Functions

ZcBr::ErrorStatus	**getFace** (ZcBrFace &)
ZcBr::ErrorStatus	**getType** (ZcBr::LoopType &)
ZcBrLoop &	**operator=** (const ZcBrLoop &)
	ZcBrLoop (const ZcBrLoop &)

Public Member Functions inherited from ZcBrEntity

ZSoft::Boolean	**brepChanged** ()
ZSoft::Boolean	**checkEntity** ()
ZcBr::ErrorStatus	**get** (ZcDbFullSubentPath &)
ZcBr::ErrorStatus	**get** (ZcBrBrepData *&)
ZcBr::ErrorStatus	**getBoundBlock** (ZcGeBoundBlock3d &)
ZcBr::ErrorStatus	**getBrep** (ZcBrBrep &)
void *	**getEntity** ()
ZcBr::ErrorStatus	**getLineContainment** (const ZcGeLinearEnt3d &, const ZSoft::UInt32 &, ZSoft::UInt32 &, ZcBrHit *&)
ZcBr::ErrorStatus	**getMassProps** (ZcBrMassProps &, const double &, const double &, double &)
ZcBr::ErrorStatus	**getPerimeterLength** (double &, const double &, double &)
ZcBr::ErrorStatus	**getPointContainment** (const ZcGePoint3d &, ZcGe::PointContainment &, ZcBrEntity *&)
ZcBr::ErrorStatus	**getSubentPath** (ZcDbFullSubentPath &)
ZcBr::ErrorStatus	**getSurfaceArea** (double &, const double &, double &)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZcBr::ErrorStatus	**getVolume** (double &, const double &, double &)
void *	**internalImp** ()
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBr::ErrorStatus	**set** (const ZcDbFullSubentPath &)
ZcBr::ErrorStatus	**set** (ZcBrBrepData *)

ZcBr::ErrorStatus **setEntity** (void *, ZcDbFullSubentPath &)

ZcBr::ErrorStatus **setSubentPath** (ZcDbFullSubentPath &)

ZcBr::ErrorStatus **setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject * **clone** ()

Zcad::ErrorStatus **cloneEx** (CloneType *&)

virtual ZcRx::Ordering **comparedTo** (const ZcRxObject *)

virtual Zcad::ErrorStatus **copyFrom** (const ZcRxObject *)

virtual ZcRxClass * **isA** ()

bool **isKindOf** (const ZcRxClass *)

ZcRxObject * **queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcBrEntity

ZcBrEntity & **operator=** (const ZcBrEntity &)

ZcBrEntity (const ZcBrEntity &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrloop.h

ZcBrLoopEdgeTraverser Member List

This is the complete list of members for ZcBrLoopEdgeTraverser, including all inherited members.

brepChanged() (defined in ZcBrTraverser)	ZcBrTraverser	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
done() (defined in ZcBrTraverser)	ZcBrTraverser	
get(ZcBrTraverserData *&) (defined in ZcBrTraverser)	ZcBrTraverser	
getEdge(ZcBrEdge &) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
getEdgeOrientToLoop(ZSoft::Boolean &) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
getLoop(ZcBrLoop &) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
getOrientedCurve(ZcGeCurve3d *&) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
getOrientedCurveAsNurb(ZcGeNurbCurve3d &, const double &, double &) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
getParamCurve(ZcGeCurve2d *&) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
getParamCurveAsNurb(ZcGeNurbCurve2d &, const double &, double &) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrTraverser)	ZcBrTraverser	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrTraverser)	ZcBrTraverser	
next() (defined in ZcBrTraverser)	ZcBrTraverser	
operator=(const ZcBrLoopEdgeTraverser &) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
operator=(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
restart() (defined in ZcBrTraverser)	ZcBrTraverser	
set(ZcBrTraverserData *) (defined in ZcBrTraverser)	ZcBrTraverser	
setEdge(ZcBrEdge &) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
setEdge(const ZcBrEdge &) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
setLoop(ZcBrFaceLoopTraverser &) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
setLoop(const ZcBrFaceLoopTraverser &) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
setLoop(const ZcBrLoop &) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
setLoopAndEdge(ZcBrEdgeLoopTraverser &) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
setLoopAndEdge(const ZcBrEdgeLoopTraverser &) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrLoopEdgeTraverser() (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
ZcBrLoopEdgeTraverser(const ZcBrLoopEdgeTraverser &) (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcBrTraverser(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrLoopEdgeTraverser() (defined in ZcBrLoopEdgeTraverser)	ZcBrLoopEdgeTraverser	
~ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	virtual
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZcBrLoopEdgeTraverser Class Reference

ZcBr Classes

Inheritance diagram for ZcBrLoopEdgeTraverser:

Public Member Functions

ZcBr::ErrorStatus **getEdge** (ZcBrEdge &)

ZcBr::ErrorStatus **getEdgeOrientToLoop** (ZSoft::Boolean &)

ZcBr::ErrorStatus **getLoop** (ZcBrLoop &)

ZcBr::ErrorStatus **getOrientedCurve** (ZcGeCurve3d *&)

ZcBr::ErrorStatus **getOrientedCurveAsNurb** (ZcGeNurbCurve3d &, const double &, double &)

ZcBr::ErrorStatus **getParamCurve** (ZcGeCurve2d *&)

ZcBr::ErrorStatus **getParamCurveAsNurb** (ZcGeNurbCurve2d &, const double &, double &)

ZcBrLoopEdgeTraverser & **operator=** (const ZcBrLoopEdgeTraverser &)

ZcBr::ErrorStatus **setEdge** (ZcBrEdge &)

ZcBr::ErrorStatus **setEdge** (const ZcBrEdge &)

ZcBr::ErrorStatus **setLoop** (ZcBrFaceLoopTraverser &)

ZcBr::ErrorStatus **setLoop** (const ZcBrFaceLoopTraverser &)

ZcBr::ErrorStatus **setLoop** (const ZcBrLoop &)

ZcBr::ErrorStatus **setLoopAndEdge** (ZcBrEdgeLoopTraverser &)

ZcBr::ErrorStatus **setLoopAndEdge** (const ZcBrEdgeLoopTraverser &)

ZcBrLoopEdgeTraverser (const ZcBrLoopEdgeTraverser &)

Public Member Functions inherited from ZcBrTraverser

ZSoft::Boolean **brepChanged** ()

ZSoft::Boolean **done** ()

ZcBr::ErrorStatus **get** (ZcBrTraverserData *&)

ZcBr::ErrorStatus **getValidationLevel** (ZcBr::ValidationLevel &)

ZSoft::Boolean **isEqualTo** (const ZcRxObject *)

ZSoft::Boolean **isNull** ()

ZcBr::ErrorStatus **next** ()

ZcBr::ErrorStatus **restart** ()

ZcBr::ErrorStatus **set** (ZcBrTraverserData *)

ZcBr::ErrorStatus **setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject * **clone** ()

Zcad::ErrorStatus **cloneEx** (CloneType *&)

virtual ZcRx::Ordering **comparedTo** (const ZcRxObject *)

virtual Zcad::ErrorStatus **copyFrom** (const ZcRxObject *)

virtual ZcRxClass * **isA** ()

bool **isKindOf** (const ZcRxClass *)

ZcRxObject * **queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcBrTraverser

ZcBrTraverser & **operator=** (const ZcBrTraverser &)

ZcBrTraverser (const ZcBrTraverser &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrletrav.h

ZcBrLoopVertexTraverser Member List

This is the complete list of members for ZcBrLoopVertexTraverser, including all inherited members.

brepChanged() (defined in ZcBrTraverser)	ZcBrTraverser	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
done() (defined in ZcBrTraverser)	ZcBrTraverser	
get(ZcBrTraverserData *&) (defined in ZcBrTraverser)	ZcBrTraverser	
getLoop(ZcBrLoop &) (defined in ZcBrLoopVertexTraverser)	ZcBrLoopVertexTraverser	
getParamPoint(ZcGePoint2d *&) (defined in ZcBrLoopVertexTraverser)	ZcBrLoopVertexTraverser	
getParamPoint(ZcGePoint2d &) (defined in ZcBrLoopVertexTraverser)	ZcBrLoopVertexTraverser	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
getVertex(ZcBrVertex &) (defined in ZcBrLoopVertexTraverser)	ZcBrLoopVertexTraverser	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrTraverser)	ZcBrTraverser	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrTraverser)	ZcBrTraverser	
next() (defined in ZcBrTraverser)	ZcBrTraverser	
operator=(const ZcBrLoopVertexTraverser &) (defined in ZcBrLoopVertexTraverser)	ZcBrLoopVertexTraverser	
operator=(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
restart() (defined in ZcBrTraverser)	ZcBrTraverser	
set(ZcBrTraverserData *) (defined in ZcBrTraverser)	ZcBrTraverser	
setLoop(ZcBrFaceLoopTraverser &) (defined in ZcBrLoopVertexTraverser)	ZcBrLoopVertexTraverser	
setLoop(const ZcBrFaceLoopTraverser &) (defined in ZcBrLoopVertexTraverser)	ZcBrLoopVertexTraverser	
setLoop(const ZcBrLoop &) (defined in ZcBrLoopVertexTraverser)	ZcBrLoopVertexTraverser	
setLoopAndVertex(const ZcBrVertexLoopTraverser &) (defined in ZcBrLoopVertexTraverser)	ZcBrLoopVertexTraverser	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
setVertex(const ZcBrVertex &) (defined in ZcBrLoopVertexTraverser)	ZcBrLoopVertexTraverser	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrLoopVertexTraverser() (defined in ZcBrLoopVertexTraverser)	ZcBrLoopVertexTraverser	
ZcBrLoopVertexTraverser(const ZcBrLoopVertexTraverser &) (defined in ZcBrLoopVertexTraverser)	ZcBrLoopVertexTraverser	
ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcBrTraverser(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrLoopVertexTraverser() (defined in ZcBrLoopVertexTraverser)	ZcBrLoopVertexTraverser	
~ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	virtual
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZcBrLoopVertexTraverser Class Reference

ZcBr Classes

Inheritance diagram for ZcBrLoopVertexTraverser:

Public Member Functions

ZcBr::ErrorStatus **getLoop** (ZcBrLoop &)

ZcBr::ErrorStatus **getParamPoint** (ZcGePoint2d *&)

ZcBr::ErrorStatus **getParamPoint** (ZcGePoint2d &)

ZcBr::ErrorStatus **getVertex** (ZcBrVertex &)

ZcBrLoopVertexTraverser & **operator=** (const ZcBrLoopVertexTraverser &)

ZcBr::ErrorStatus **setLoop** (ZcBrFaceLoopTraverser &)

ZcBr::ErrorStatus **setLoop** (const ZcBrFaceLoopTraverser &)

ZcBr::ErrorStatus **setLoop** (const ZcBrLoop &)

ZcBr::ErrorStatus **setLoopAndVertex** (const ZcBrVertexLoopTraverser &)

ZcBr::ErrorStatus **setVertex** (const ZcBrVertex &)

ZcBrLoopVertexTraverser (const ZcBrLoopVertexTraverser &)

Public Member Functions inherited from ZcBrTraverser

ZSoft::Boolean **brepChanged** ()

ZSoft::Boolean **done** ()

ZcBr::ErrorStatus **get** (ZcBrTraverserData *&)

ZcBr::ErrorStatus **getValidationLevel** (ZcBr::ValidationLevel &)

ZSoft::Boolean **isEqualTo** (const ZcRxObject *)

ZSoft::Boolean **isNull** ()

ZcBr::ErrorStatus **next** ()

ZcBr::ErrorStatus **restart** ()

ZcBr::ErrorStatus **set** (ZcBrTraverserData *)

ZcBr::ErrorStatus **setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject * **clone** ()

Zcad::ErrorStatus **cloneEx** (CloneType *&)

virtual ZcRx::Ordering **comparedTo** (const ZcRxObject *)

virtual Zcad::ErrorStatus **copyFrom** (const ZcRxObject *)

virtual ZcRxClass * **isA** ()

bool **isKindOf** (const ZcRxClass *)

ZcRxObject * **queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcBrTraverser

ZcBrTraverser & **operator=** (const ZcBrTraverser &)

ZcBrTraverser (const ZcBrTraverser &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrlvtrav.h

ZcBrMesh Member List

This is the complete list of members for ZcBrMesh, including all inherited members.

brepChanged() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
getEntityAssociated(ZcBrEntity *&) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
operator=(const ZcBrMesh &) (defined in ZcBrMesh)	ZcBrMesh	protected
operator=(const ZcBrMeshEntity &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrMesh() (defined in ZcBrMesh)	ZcBrMesh	protected
ZcBrMesh(const ZcBrMesh &) (defined in ZcBrMesh)	ZcBrMesh	protected
ZcBrMeshEntity() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
ZcBrMeshEntity(const ZcBrMeshEntity &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrMesh() (defined in ZcBrMesh)	ZcBrMesh	virtual
~ZcBrMeshEntity() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	virtual
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZRX API Reference 2026
Documents the ZRX classes, member functions, global functions, namespaces, enumerations, structures, and macros.

Protected Member Functions | List of all members

ZcBrMesh Class Reference

ZcBr Classes

Inheritance diagram for ZcBrMesh:

Protected Member Functions

ZcBrMesh & **operator=** (const ZcBrMesh &)

ZcBrMesh (const ZcBrMesh &)

Protected Member Functions inherited from ZcBrMeshEntity

ZcBrMeshEntity & **operator=** (const ZcBrMeshEntity &)

ZcBrMeshEntity (const ZcBrMeshEntity &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

Additional Inherited Members

Public Member Functions inherited from ZcBrMeshEntity

ZSoft::Boolean **brepChanged** ()

ZcBr::ErrorStatus **getEntityAssociated** (ZcBrEntity *&)

ZcBr::ErrorStatus **getValidationLevel** (ZcBr::ValidationLevel &)

ZSoft::Boolean **isEqualTo** (const ZcRxObject *)

ZSoft::Boolean **isNull** ()

ZcBr::ErrorStatus **setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject * **clone** ()

Zcad::ErrorStatus **cloneEx** (CloneType *&)

virtual ZcRx::Ordering **comparedTo** (const ZcRxObject *)

virtual Zcad::ErrorStatus **copyFrom** (const ZcRxObject *)

virtual ZcRxClass * **isA** ()

bool **isKindOf** (const ZcRxClass *)

ZcRxObject * **queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

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

- zcbrmesh.h

ZcBrMesh2d Member List

This is the complete list of members for ZcBrMesh2d, including all inherited members.

brepChanged() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
generate(const ZcBrMesh2dFilter &) (defined in ZcBrMesh2d)	ZcBrMesh2d	
get(ZcBrMesh2dData *&) (defined in ZcBrMesh2d)	ZcBrMesh2d	
getEntityAssociated(ZcBrEntity *&) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
operator=(const ZcBrMesh2d &) (defined in ZcBrMesh2d)	ZcBrMesh2d	
operator=(const ZcBrMesh &) (defined in ZcBrMesh)	ZcBrMesh	protected
operator=(const ZcBrMeshEntity &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
set(ZcBrMesh2dData *) (defined in ZcBrMesh2d)	ZcBrMesh2d	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrMesh() (defined in ZcBrMesh)	ZcBrMesh	protected
ZcBrMesh(const ZcBrMesh &) (defined in ZcBrMesh)	ZcBrMesh	protected
ZcBrMesh2d() (defined in ZcBrMesh2d)	ZcBrMesh2d	
ZcBrMesh2d(const ZcBrMesh2d &) (defined in ZcBrMesh2d)	ZcBrMesh2d	
ZcBrMeshEntity() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
ZcBrMeshEntity(const ZcBrMeshEntity &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrMesh() (defined in ZcBrMesh)	ZcBrMesh	virtual
~ZcBrMesh2d() (defined in ZcBrMesh2d)	ZcBrMesh2d	
~ZcBrMeshEntity() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	virtual
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZcBrMesh2d Class Reference

ZcBr Classes

Inheritance diagram for ZcBrMesh2d:

Public Member Functions

ZcBr::ErrorStatus	**generate** (const ZcBrMesh2dFilter &)
ZcBr::ErrorStatus	**get** (ZcBrMesh2dData *&)
ZcBrMesh2d &	**operator=** (const ZcBrMesh2d &)
ZcBr::ErrorStatus	**set** (ZcBrMesh2dData *)
	ZcBrMesh2d (const ZcBrMesh2d &)

Public Member Functions inherited from ZcBrMeshEntity

ZSoft::Boolean	**brepChanged** ()
ZcBr::ErrorStatus	**getEntityAssociated** (ZcBrEntity *&)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBr::ErrorStatus	**setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**clone** ()
Zcad::ErrorStatus	**cloneEx** (CloneType *&)
virtual ZcRx::Ordering	**comparedTo** (const ZcRxObject *)
virtual Zcad::ErrorStatus	**copyFrom** (const ZcRxObject *)
virtual ZcRxClass *	**isA** ()
bool	**isKindOf** (const ZcRxClass *)
ZcRxObject *	**queryX** (const ZcRxClass *)
ZcRxObject *	**x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject *	**cast** (const ZcRxObject *)
static const wchar_t *	**className** ()
static ZcRxClass *	**desc** ()

Protected Member Functions inherited from ZcBrMesh

ZcBrMesh & **operator=** (const ZcBrMesh &)

ZcBrMesh (const ZcBrMesh &)

Protected Member Functions inherited from ZcBrMeshEntity

ZcBrMeshEntity & **operator=** (const ZcBrMeshEntity &)

ZcBrMeshEntity (const ZcBrMeshEntity &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrmesh2d.h

ZcBrMesh2dControl Member List

This is the complete list of members for ZcBrMesh2dControl, including all inherited members.

cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
getAngTol(double &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
getDistTol(double &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
getElementShape(ZcBr::Element2dShape &) (defined in ZcBrMesh2dControl)	ZcBrMesh2dControl	
getMaxAspectRatio(double &) (defined in ZcBrMesh2dControl)	ZcBrMesh2dControl	
getMaxNodeSpacing(double &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
getMaxSubdivisions(ZSoft::UInt32 &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
getMinSubdivisionsInU(ZSoft::UInt32 &) (defined in ZcBrMesh2dControl)	ZcBrMesh2dControl	
getMinSubdivisionsInV(ZSoft::UInt32 &) (defined in ZcBrMesh2dControl)	ZcBrMesh2dControl	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrMeshControl)	ZcBrMeshControl	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
operator=(const ZcBrMesh2dControl &) (defined in ZcBrMesh2dControl)	ZcBrMesh2dControl	
operator=(const ZcBrMeshControl &) (defined in ZcBrMeshControl)	ZcBrMeshControl	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
setAngTol(const double &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
setDistTol(const double &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
setElementShape(const ZcBr::Element2dShape &) (defined in ZcBrMesh2dControl)	ZcBrMesh2dControl	
setMaxAspectRatio(const double &) (defined in ZcBrMesh2dControl)	ZcBrMesh2dControl	
setMaxNodeSpacing(const double &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
setMaxSubdivisions(const ZSoft::UInt32 &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
setMinSubdivisionsInU(const ZSoft::UInt32 &) (defined in ZcBrMesh2dControl)	ZcBrMesh2dControl	
setMinSubdivisionsInV(const ZSoft::UInt32 &) (defined in ZcBrMesh2dControl)	ZcBrMesh2dControl	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrMesh2dControl() (defined in ZcBrMesh2dControl)	ZcBrMesh2dControl	
ZcBrMesh2dControl(const ZcBrMesh2dControl &) (defined in ZcBrMesh2dControl)	ZcBrMesh2dControl	
ZcBrMeshControl() (defined in ZcBrMeshControl)	ZcBrMeshControl	protected
ZcBrMeshControl(const ZcBrMeshControl &) (defined in ZcBrMeshControl)	ZcBrMeshControl	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrMesh2dControl() (defined in ZcBrMesh2dControl)	ZcBrMesh2dControl	
~ZcBrMeshControl() (defined in ZcBrMeshControl)	ZcBrMeshControl	virtual
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZcBrMesh2dControl Class Reference

ZcBr Classes

Inheritance diagram for ZcBrMesh2dControl:

Public Member Functions

ZcBr::ErrorStatus **getElementShape** (ZcBr::Element2dShape &)

ZcBr::ErrorStatus **getMaxAspectRatio** (double &)

ZcBr::ErrorStatus **getMinSubdivisionsInU** (ZSoft::UInt32 &)

ZcBr::ErrorStatus **getMinSubdivisionsInV** (ZSoft::UInt32 &)

ZcBrMesh2dControl & **operator=** (const ZcBrMesh2dControl &)

ZcBr::ErrorStatus **setElementShape** (const ZcBr::Element2dShape &)

ZcBr::ErrorStatus **setMaxAspectRatio** (const double &)

ZcBr::ErrorStatus **setMinSubdivisionsInU** (const ZSoft::UInt32 &)

ZcBr::ErrorStatus **setMinSubdivisionsInV** (const ZSoft::UInt32 &)

ZcBrMesh2dControl (const ZcBrMesh2dControl &)

Public Member Functions inherited from ZcBrMeshControl

ZcBr::ErrorStatus **getAngTol** (double &)

ZcBr::ErrorStatus **getDistTol** (double &)

ZcBr::ErrorStatus **getMaxNodeSpacing** (double &)

ZcBr::ErrorStatus **getMaxSubdivisions** (ZSoft::UInt32 &)

ZSoft::Boolean **isEqualTo** (const ZcRxObject *)

ZcBr::ErrorStatus **setAngTol** (const double &)

ZcBr::ErrorStatus **setDistTol** (const double &)

ZcBr::ErrorStatus **setMaxNodeSpacing** (const double &)

ZcBr::ErrorStatus **setMaxSubdivisions** (const ZSoft::UInt32 &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject * **clone** ()

Zcad::ErrorStatus **cloneEx** (CloneType *&)

virtual ZcRx::Ordering **comparedTo** (const ZcRxObject *)

virtual Zcad::ErrorStatus **copyFrom** (const ZcRxObject *)

virtual ZcRxClass * **isA** ()

bool **isKindOf** (const ZcRxClass *)

ZcRxObject * **queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcBrMeshControl

ZcBrMeshControl & **operator=** (const ZcBrMeshControl &)

ZcBrMeshControl (const ZcBrMeshControl &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrm2dctl.h

ZcBrMesh2dElement2dTraverser Member List

This is the complete list of members for ZcBrMesh2dElement2dTraverser, including all inherited members.

brepChanged() (defined in ZcBrTraverser)	ZcBrTraverser	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
done() (defined in ZcBrTraverser)	ZcBrTraverser	
get(ZcBrTraverserData *&) (defined in ZcBrTraverser)	ZcBrTraverser	
getElement(ZcBrElement2d &) (defined in ZcBrMesh2dElement2dTraverser)	ZcBrMesh2dElement2dTraverser	
getMesh(ZcBrMesh2d &) (defined in ZcBrMesh2dElement2dTraverser)	ZcBrMesh2dElement2dTraverser	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrTraverser)	ZcBrTraverser	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrTraverser)	ZcBrTraverser	
next() (defined in ZcBrTraverser)	ZcBrTraverser	
operator=(const ZcBrMesh2dElement2dTraverser &) (defined in ZcBrMesh2dElement2dTraverser)	ZcBrMesh2dElement2dTraverser	
operator=(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
restart() (defined in ZcBrTraverser)	ZcBrTraverser	
set(ZcBrTraverserData *) (defined in ZcBrTraverser)	ZcBrTraverser	
setElement(const ZcBrElement2d &) (defined in ZcBrMesh2dElement2dTraverser)	ZcBrMesh2dElement2dTraverser	
setMesh(const ZcBrMesh2d &) (defined in ZcBrMesh2dElement2dTraverser)	ZcBrMesh2dElement2dTraverser	
setMeshAndElement(const ZcBrElement2d &) (defined in ZcBrMesh2dElement2dTraverser)	ZcBrMesh2dElement2dTraverser	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrMesh2dElement2dTraverser() (defined in ZcBrMesh2dElement2dTraverser)	ZcBrMesh2dElement2dTraverser	
ZcBrMesh2dElement2dTraverser(const ZcBrMesh2dElement2dTraverser &) (defined in ZcBrMesh2dElement2dTraverser)	ZcBrMesh2dElement2dTraverser	
ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcBrTraverser(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrMesh2dElement2dTraverser() (defined in ZcBrMesh2dElement2dTraverser)	ZcBrMesh2dElement2dTraverser	
~ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	virtual
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZcBrMesh2dElement2dTraverser Class Reference

ZcBr Classes

Inheritance diagram for ZcBrMesh2dElement2dTraverser:

Public Member Functions

ZcBr::ErrorStatus	**getElement** (ZcBrElement2d &)
ZcBr::ErrorStatus	**getMesh** (ZcBrMesh2d &)
ZcBrMesh2dElement2dTraverser &	**operator=** (const ZcBrMesh2dElement2dTraverser &)
ZcBr::ErrorStatus	**setElement** (const ZcBrElement2d &)
ZcBr::ErrorStatus	**setMesh** (const ZcBrMesh2d &)
ZcBr::ErrorStatus	**setMeshAndElement** (const ZcBrElement2d &)
	ZcBrMesh2dElement2dTraverser (const ZcBrMesh2dElement2dTraverser &)

Public Member Functions inherited from ZcBrTraverser

ZSoft::Boolean	**brepChanged** ()
ZSoft::Boolean	**done** ()
ZcBr::ErrorStatus	**get** (ZcBrTraverserData *&)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBr::ErrorStatus	**next** ()
ZcBr::ErrorStatus	**restart** ()
ZcBr::ErrorStatus	**set** (ZcBrTraverserData *)
ZcBr::ErrorStatus	**setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**clone** ()
Zcad::ErrorStatus	**cloneEx** (CloneType *&)
virtual ZcRx::Ordering	**comparedTo** (const ZcRxObject *)
virtual Zcad::ErrorStatus	**copyFrom** (const ZcRxObject *)
virtual ZcRxClass *	**isA** ()
bool	**isKindOf** (const ZcRxClass *)
ZcRxObject *	**queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcBrTraverser

ZcBrTraverser & **operator=** (const ZcBrTraverser &)

ZcBrTraverser (const ZcBrTraverser &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrmetrav.h

ZcBrMesh2dFilter Member List

This is the complete list of members for ZcBrMesh2dFilter, including all inherited members.

insert(const value_type &) (defined in ZcBrMesh2dFilter)	ZcBrMesh2dFilter
ZcBrMesh2dFilter() (defined in ZcBrMesh2dFilter)	ZcBrMesh2dFilter
~ZcBrMesh2dFilter() (defined in ZcBrMesh2dFilter)	ZcBrMesh2dFilter

Public Member Functions

iterator **insert** (const value_type &)

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

- zcbrmesh2d.h

ZcBrMeshControl Member List

This is the complete list of members for ZcBrMeshControl, including all inherited members.

cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
getAngTol(double &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
getDistTol(double &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
getMaxNodeSpacing(double &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
getMaxSubdivisions(ZSoft::UInt32 &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrMeshControl)	ZcBrMeshControl	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
operator=(const ZcBrMeshControl &) (defined in ZcBrMeshControl)	ZcBrMeshControl	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
setAngTol(const double &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
setDistTol(const double &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
setMaxNodeSpacing(const double &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
setMaxSubdivisions(const ZSoft::UInt32 &) (defined in ZcBrMeshControl)	ZcBrMeshControl	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrMeshControl() (defined in ZcBrMeshControl)	ZcBrMeshControl	protected
ZcBrMeshControl(const ZcBrMeshControl &) (defined in ZcBrMeshControl)	ZcBrMeshControl	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrMeshControl() (defined in ZcBrMeshControl)	ZcBrMeshControl	virtual
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZRX API Reference 2026
Documents the ZRX classes, member functions, global functions, namespaces, enumerations, structures, and macros.

Public Member Functions | Protected Member Functions | List of all members

ZcBrMeshControl Class Reference

ZcBr Classes

Inheritance diagram for ZcBrMeshControl:

Public Member Functions

ZcBr::ErrorStatus	**getAngTol** (double &)
ZcBr::ErrorStatus	**getDistTol** (double &)
ZcBr::ErrorStatus	**getMaxNodeSpacing** (double &)
ZcBr::ErrorStatus	**getMaxSubdivisions** (ZSoft::UInt32 &)
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZcBr::ErrorStatus	**setAngTol** (const double &)
ZcBr::ErrorStatus	**setDistTol** (const double &)
ZcBr::ErrorStatus	**setMaxNodeSpacing** (const double &)
ZcBr::ErrorStatus	**setMaxSubdivisions** (const ZSoft::UInt32 &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**clone** ()
Zcad::ErrorStatus	**cloneEx** (CloneType *&)
virtual ZcRx::Ordering	**comparedTo** (const ZcRxObject *)
virtual Zcad::ErrorStatus	**copyFrom** (const ZcRxObject *)
virtual ZcRxClass *	**isA** ()
bool	**isKindOf** (const ZcRxClass *)
ZcRxObject *	**queryX** (const ZcRxClass *)
ZcRxObject *	**x** (const ZcRxClass *)

Protected Member Functions

ZcBrMeshControl &	**operator=** (const ZcBrMeshControl &)
	ZcBrMeshControl (const ZcBrMeshControl &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**subQueryX** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

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

- zcbrmctl.h

ZcBrMeshEntity Member List

This is the complete list of members for ZcBrMeshEntity, including all inherited members.

brepChanged() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
getEntityAssociated(ZcBrEntity *&) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
operator=(const ZcBrMeshEntity &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrMeshEntity() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
ZcBrMeshEntity(const ZcBrMeshEntity &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrMeshEntity() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	virtual
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZRX API Reference 2026
Documents the ZRX classes, member functions, global functions, namespaces, enumerations, structures, and macros.

ZcBrMeshEntity Class Reference

Inheritance diagram for ZcBrMeshEntity:

Public Member Functions

ZSoft::Boolean	**brepChanged** ()
ZcBr::ErrorStatus	**getEntityAssociated** (ZcBrEntity *&)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBr::ErrorStatus	**setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**clone** ()
Zcad::ErrorStatus	**cloneEx** (CloneType *&)
virtual ZcRx::Ordering	**comparedTo** (const ZcRxObject *)
virtual Zcad::ErrorStatus	**copyFrom** (const ZcRxObject *)
virtual ZcRxClass *	**isA** ()
bool	**isKindOf** (const ZcRxClass *)
ZcRxObject *	**queryX** (const ZcRxClass *)
ZcRxObject *	**x** (const ZcRxClass *)

Protected Member Functions

ZcBrMeshEntity &	**operator=** (const ZcBrMeshEntity &)
	ZcBrMeshEntity (const ZcBrMeshEntity &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**subQueryX** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject *	**cast** (const ZcRxObject *)
static const wchar_t *	**className** ()
static ZcRxClass *	**desc** ()

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

- zcbrment.h

ZcBrNode Member List

This is the complete list of members for ZcBrNode, including all inherited members.

brepChanged() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
get(ZcBrNodeData *&) (defined in ZcBrNode)	ZcBrNode	
getEntityAssociated(ZcBrEntity *&) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
getPoint(ZcGePoint3d &) (defined in ZcBrNode)	ZcBrNode	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
operator=(const ZcBrNode &) (defined in ZcBrNode)	ZcBrNode	
operator=(const ZcBrMeshEntity &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
set(ZcBrNodeData *) (defined in ZcBrNode)	ZcBrNode	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrMeshEntity() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
ZcBrMeshEntity(const ZcBrMeshEntity &) (defined in ZcBrMeshEntity)	ZcBrMeshEntity	protected
ZcBrNode() (defined in ZcBrNode)	ZcBrNode	
ZcBrNode(const ZcBrNode &) (defined in ZcBrNode)	ZcBrNode	
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrMeshEntity() (defined in ZcBrMeshEntity)	ZcBrMeshEntity	virtual
~ZcBrNode() (defined in ZcBrNode)	ZcBrNode	
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZRX API Reference 2026
Documents the ZRX classes, member functions, global functions, namespaces, enumerations, structures, and macros.

ZcBrNode Class Reference

Inheritance diagram for ZcBrNode:

Public Member Functions

ZcBr::ErrorStatus	**get** (ZcBrNodeData *&)
ZcBr::ErrorStatus	**getPoint** (ZcGePoint3d &)
ZcBrNode &	**operator=** (const ZcBrNode &)
ZcBr::ErrorStatus	**set** (ZcBrNodeData *)
	ZcBrNode (const ZcBrNode &)

Public Member Functions inherited from ZcBrMeshEntity

ZSoft::Boolean	**brepChanged** ()
ZcBr::ErrorStatus	**getEntityAssociated** (ZcBrEntity *&)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBr::ErrorStatus	**setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**clone** ()
Zcad::ErrorStatus	**cloneEx** (CloneType *&)
virtual ZcRx::Ordering	**comparedTo** (const ZcRxObject *)
virtual Zcad::ErrorStatus	**copyFrom** (const ZcRxObject *)
virtual ZcRxClass *	**isA** ()
bool	**isKindOf** (const ZcRxClass *)
ZcRxObject *	**queryX** (const ZcRxClass *)
ZcRxObject *	**x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject *	**cast** (const ZcRxObject *)
static const wchar_t *	**className** ()
static ZcRxClass *	**desc** ()

Protected Member Functions inherited from ZcBrMeshEntity

ZcBrMeshEntity & **operator=** (const ZcBrMeshEntity &)

ZcBrMeshEntity (const ZcBrMeshEntity &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrnode.h

ZcBrShell Member List

This is the complete list of members for ZcBrShell, including all inherited members.

brepChanged() (defined in ZcBrEntity)	ZcBrEntity	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
checkEntity() (defined in ZcBrEntity)	ZcBrEntity	
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
get(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
get(ZcBrBrepData *&) (defined in ZcBrEntity)	ZcBrEntity	
getBoundBlock(ZcGeBoundBlock3d &) (defined in ZcBrEntity)	ZcBrEntity	
getBrep(ZcBrBrep &) (defined in ZcBrEntity)	ZcBrEntity	
getComplex(ZcBrComplex &) (defined in ZcBrShell)	ZcBrShell	
getEntity() (defined in ZcBrEntity)	ZcBrEntity	
getLineContainment(const ZcGeLinearEnt3d &, const ZSoft::UInt32 &, ZSoft::UInt32 &, ZcBrHit *&) (defined in ZcBrEntity)	ZcBrEntity	
getMassProps(ZcBrMassProps &, const double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getPerimeterLength(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getPointContainment(const ZcGePoint3d &, ZcGe::PointContainment &, ZcBrEntity *&) (defined in ZcBrEntity)	ZcBrEntity	
getSubentPath(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
getSurfaceArea(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getType(ZcBr::ShellType &) (defined in ZcBrShell)	ZcBrShell	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrEntity)	ZcBrEntity	
getVolume(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
internalImp() (defined in ZcBrEntity)	ZcBrEntity	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrEntity)	ZcBrEntity	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrEntity)	ZcBrEntity	
operator=(const ZcBrShell &) (defined in ZcBrShell)	ZcBrShell	
operator=(const ZcBrEntity &) (defined in ZcBrEntity)	ZcBrEntity	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
set(const ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
set(ZcBrBrepData *) (defined in ZcBrEntity)	ZcBrEntity	
setEntity(void *, ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
setSubentPath(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrEntity)	ZcBrEntity	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrEntity() (defined in ZcBrEntity)	ZcBrEntity	protected
ZcBrEntity(const ZcBrEntity &) (defined in ZcBrEntity)	ZcBrEntity	protected
ZcBrShell() (defined in ZcBrShell)	ZcBrShell	
ZcBrShell(const ZcBrShell &) (defined in ZcBrShell)	ZcBrShell	
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrEntity() (defined in ZcBrEntity)	ZcBrEntity	virtual
~ZcBrShell() (defined in ZcBrShell)	ZcBrShell	
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZRX API Reference 2026
Documents the ZRX classes, member functions, global functions, namespaces, enumerations, structures, and macros.

Public Member Functions | List of all members

ZcBrShell Class Reference

ZcBr Classes

Inheritance diagram for ZcBrShell:

Public Member Functions

ZcBr::ErrorStatus	**getComplex** (ZcBrComplex &)
ZcBr::ErrorStatus	**getType** (ZcBr::ShellType &)
ZcBrShell &	**operator=** (const ZcBrShell &)
	ZcBrShell (const ZcBrShell &)

Public Member Functions inherited from ZcBrEntity

ZSoft::Boolean	**brepChanged** ()
ZSoft::Boolean	**checkEntity** ()
ZcBr::ErrorStatus	**get** (ZcDbFullSubentPath &)
ZcBr::ErrorStatus	**get** (ZcBrBrepData *&)
ZcBr::ErrorStatus	**getBoundBlock** (ZcGeBoundBlock3d &)
ZcBr::ErrorStatus	**getBrep** (ZcBrBrep &)
void *	**getEntity** ()
ZcBr::ErrorStatus	**getLineContainment** (const ZcGeLinearEnt3d &, const ZSoft::UInt32 &, ZSoft::UInt32 &, ZcBrHit *&)
ZcBr::ErrorStatus	**getMassProps** (ZcBrMassProps &, const double &, const double &, double &)
ZcBr::ErrorStatus	**getPerimeterLength** (double &, const double &, double &)
ZcBr::ErrorStatus	**getPointContainment** (const ZcGePoint3d &, ZcGe::PointContainment &, ZcBrEntity *&)
ZcBr::ErrorStatus	**getSubentPath** (ZcDbFullSubentPath &)
ZcBr::ErrorStatus	**getSurfaceArea** (double &, const double &, double &)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZcBr::ErrorStatus	**getVolume** (double &, const double &, double &)
void *	**internalImp** ()
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBr::ErrorStatus	**set** (const ZcDbFullSubentPath &)
ZcBr::ErrorStatus	**set** (ZcBrBrepData *)

ZcBr::ErrorStatus **setEntity** (void *, ZcDbFullSubentPath &)

ZcBr::ErrorStatus **setSubentPath** (ZcDbFullSubentPath &)

ZcBr::ErrorStatus **setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject * **clone** ()

Zcad::ErrorStatus **cloneEx** (CloneType *&)

virtual ZcRx::Ordering **comparedTo** (const ZcRxObject *)

virtual Zcad::ErrorStatus **copyFrom** (const ZcRxObject *)

virtual ZcRxClass * **isA** ()

bool **isKindOf** (const ZcRxClass *)

ZcRxObject * **queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcBrEntity

ZcBrEntity & **operator=** (const ZcBrEntity &)

ZcBrEntity (const ZcBrEntity &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrshell.h

ZcBrShellFaceTraverser Member List

This is the complete list of members for ZcBrShellFaceTraverser, including all inherited members.

brepChanged() (defined in ZcBrTraverser)	ZcBrTraverser	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
done() (defined in ZcBrTraverser)	ZcBrTraverser	
get(ZcBrTraverserData *&) (defined in ZcBrTraverser)	ZcBrTraverser	
getFace(ZcBrFace &) (defined in ZcBrShellFaceTraverser)	ZcBrShellFaceTraverser	
getShell(ZcBrShell &) (defined in ZcBrShellFaceTraverser)	ZcBrShellFaceTraverser	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrTraverser)	ZcBrTraverser	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrTraverser)	ZcBrTraverser	
next() (defined in ZcBrTraverser)	ZcBrTraverser	
operator=(const ZcBrShellFaceTraverser &) (defined in ZcBrShellFaceTraverser)	ZcBrShellFaceTraverser	
operator=(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
restart() (defined in ZcBrTraverser)	ZcBrTraverser	
set(ZcBrTraverserData *) (defined in ZcBrTraverser)	ZcBrTraverser	
setFace(const ZcBrFace &) (defined in ZcBrShellFaceTraverser)	ZcBrShellFaceTraverser	
setShell(const ZcBrComplexShellTraverser &) (defined in ZcBrShellFaceTraverser)	ZcBrShellFaceTraverser	
setShell(const ZcBrShell &) (defined in ZcBrShellFaceTraverser)	ZcBrShellFaceTraverser	
setShellAndFace(const ZcBrFace &) (defined in ZcBrShellFaceTraverser)	ZcBrShellFaceTraverser	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrShellFaceTraverser() (defined in ZcBrShellFaceTraverser)	ZcBrShellFaceTraverser	
ZcBrShellFaceTraverser(const ZcBrShellFaceTraverser &) (defined in ZcBrShellFaceTraverser)	ZcBrShellFaceTraverser	
ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcBrTraverser(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrShellFaceTraverser() (defined in ZcBrShellFaceTraverser)	ZcBrShellFaceTraverser	
~ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	virtual
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZRX API Reference 2026
Documents the ZRX classes, member functions, global functions, namespaces, enumerations, structures, and macros.

ZcBrShellFaceTraverser Class Reference

Inheritance diagram for ZcBrShellFaceTraverser:

Public Member Functions

ZcBr::ErrorStatus	**getFace** (ZcBrFace &)
ZcBr::ErrorStatus	**getShell** (ZcBrShell &)
ZcBrShellFaceTraverser &	**operator=** (const ZcBrShellFaceTraverser &)
ZcBr::ErrorStatus	**setFace** (const ZcBrFace &)
ZcBr::ErrorStatus	**setShell** (const ZcBrComplexShellTraverser &)
ZcBr::ErrorStatus	**setShell** (const ZcBrShell &)
ZcBr::ErrorStatus	**setShellAndFace** (const ZcBrFace &)
	ZcBrShellFaceTraverser (const ZcBrShellFaceTraverser &)

Public Member Functions inherited from ZcBrTraverser

ZSoft::Boolean	**brepChanged** ()
ZSoft::Boolean	**done** ()
ZcBr::ErrorStatus	**get** (ZcBrTraverserData *&)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBr::ErrorStatus	**next** ()
ZcBr::ErrorStatus	**restart** ()
ZcBr::ErrorStatus	**set** (ZcBrTraverserData *)
ZcBr::ErrorStatus	**setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**clone** ()
Zcad::ErrorStatus	**cloneEx** (CloneType *&)
virtual ZcRx::Ordering	**comparedTo** (const ZcRxObject *)
virtual Zcad::ErrorStatus	**copyFrom** (const ZcRxObject *)
virtual ZcRxClass *	**isA** ()
bool	**isKindOf** (const ZcRxClass *)

ZcRxObject * **queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcBrTraverser

ZcBrTraverser & **operator=** (const ZcBrTraverser &)

ZcBrTraverser (const ZcBrTraverser &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrsftrav.h

ZcBrTraverser Member List

This is the complete list of members for ZcBrTraverser, including all inherited members.

brepChanged() (defined in ZcBrTraverser)	ZcBrTraverser	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
done() (defined in ZcBrTraverser)	ZcBrTraverser	
get(ZcBrTraverserData *&) (defined in ZcBrTraverser)	ZcBrTraverser	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrTraverser)	ZcBrTraverser	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrTraverser)	ZcBrTraverser	
next() (defined in ZcBrTraverser)	ZcBrTraverser	
operator=(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
restart() (defined in ZcBrTraverser)	ZcBrTraverser	
set(ZcBrTraverserData *) (defined in ZcBrTraverser)	ZcBrTraverser	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcBrTraverser(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	virtual
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZcBrTraverser Class Reference

ZcBr Classes

Inheritance diagram for ZcBrTraverser:

Public Member Functions

ZSoft::Boolean	**brepChanged** ()
ZSoft::Boolean	**done** ()
ZcBr::ErrorStatus	**get** (ZcBrTraverserData *&)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBr::ErrorStatus	**next** ()
ZcBr::ErrorStatus	**restart** ()
ZcBr::ErrorStatus	**set** (ZcBrTraverserData *)
ZcBr::ErrorStatus	**setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**clone** ()
Zcad::ErrorStatus	**cloneEx** (CloneType *&)
virtual ZcRx::Ordering	**comparedTo** (const ZcRxObject *)
virtual Zcad::ErrorStatus	**copyFrom** (const ZcRxObject *)
virtual ZcRxClass *	**isA** ()
bool	**isKindOf** (const ZcRxClass *)
ZcRxObject *	**queryX** (const ZcRxClass *)
ZcRxObject *	**x** (const ZcRxClass *)

Protected Member Functions

ZcBrTraverser &	**operator=** (const ZcBrTraverser &)
	ZcBrTraverser (const ZcBrTraverser &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**subQueryX** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

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

- zcbrtrav.h

ZcBrVertex Member List

This is the complete list of members for ZcBrVertex, including all inherited members.

brepChanged() (defined in ZcBrEntity)	ZcBrEntity	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
checkEntity() (defined in ZcBrEntity)	ZcBrEntity	
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
get(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
get(ZcBrBrepData *&) (defined in ZcBrEntity)	ZcBrEntity	
getBoundBlock(ZcGeBoundBlock3d &) (defined in ZcBrEntity)	ZcBrEntity	
getBrep(ZcBrBrep &) (defined in ZcBrEntity)	ZcBrEntity	
getCurveRelationToVertex(const ZcGeCurve3d &, ZcBr::Relation &) (defined in ZcBrVertex)	ZcBrVertex	
getEntity() (defined in ZcBrEntity)	ZcBrEntity	
getLineContainment(const ZcGeLinearEnt3d &, const ZSoft::UInt32 &, ZSoft::UInt32 &, ZcBrHit *&) (defined in ZcBrEntity)	ZcBrEntity	
getMassProps(ZcBrMassProps &, const double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getPerimeterLength(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getPoint(ZcGePoint3d *&) (defined in ZcBrVertex)	ZcBrVertex	
getPoint(ZcGePoint3d &) (defined in ZcBrVertex)	ZcBrVertex	
getPointContainment(const ZcGePoint3d &, ZcGe::PointContainment &, ZcBrEntity *&) (defined in ZcBrEntity)	ZcBrEntity	
getPointRelationToVertex(const ZcGePoint3d &, ZcBr::Relation &) (defined in ZcBrVertex)	ZcBrVertex	
getSubentPath(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
getSurfaceArea(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrEntity)	ZcBrEntity	
getVolume(double &, const double &, double &) (defined in ZcBrEntity)	ZcBrEntity	
internalImp() (defined in ZcBrEntity)	ZcBrEntity	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrEntity)	ZcBrEntity	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrEntity)	ZcBrEntity	
operator=(const ZcBrVertex &) (defined in ZcBrVertex)	ZcBrVertex	
operator=(const ZcBrEntity &) (defined in ZcBrEntity)	ZcBrEntity	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
set(const ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
set(ZcBrBrepData *) (defined in ZcBrEntity)	ZcBrEntity	
setEntity(void *, ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
setSubentPath(ZcDbFullSubentPath &) (defined in ZcBrEntity)	ZcBrEntity	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrEntity)	ZcBrEntity	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrEntity() (defined in ZcBrEntity)	ZcBrEntity	protected
ZcBrEntity(const ZcBrEntity &) (defined in ZcBrEntity)	ZcBrEntity	protected
ZcBrVertex() (defined in ZcBrVertex)	ZcBrVertex	
ZcBrVertex(const ZcBrVertex &) (defined in ZcBrVertex)	ZcBrVertex	
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrEntity() (defined in ZcBrEntity)	ZcBrEntity	virtual
~ZcBrVertex() (defined in ZcBrVertex)	ZcBrVertex	
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZcBrVertex Class Reference

ZcBr Classes

Inheritance diagram for ZcBrVertex:

Public Member Functions

ZcBr::ErrorStatus	**getCurveRelationToVertex** (const ZcGeCurve3d &, ZcBr::Relation &)
ZcBr::ErrorStatus	**getPoint** (ZcGePoint3d *&)
ZcBr::ErrorStatus	**getPoint** (ZcGePoint3d &)
ZcBr::ErrorStatus	**getPointRelationToVertex** (const ZcGePoint3d &, ZcBr::Relation &)
ZcBrVertex &	**operator=** (const ZcBrVertex &)
	ZcBrVertex (const ZcBrVertex &)

Public Member Functions inherited from ZcBrEntity

ZSoft::Boolean	**brepChanged** ()
ZSoft::Boolean	**checkEntity** ()
ZcBr::ErrorStatus	**get** (ZcDbFullSubentPath &)
ZcBr::ErrorStatus	**get** (ZcBrBrepData *&)
ZcBr::ErrorStatus	**getBoundBlock** (ZcGeBoundBlock3d &)
ZcBr::ErrorStatus	**getBrep** (ZcBrBrep &)
void *	**getEntity** ()
ZcBr::ErrorStatus	**getLineContainment** (const ZcGeLinearEnt3d &, const ZSoft::UInt32 &, ZSoft::UInt32 &, ZcBrHit *&)
ZcBr::ErrorStatus	**getMassProps** (ZcBrMassProps &, const double &, const double &, double &)
ZcBr::ErrorStatus	**getPerimeterLength** (double &, const double &, double &)
ZcBr::ErrorStatus	**getPointContainment** (const ZcGePoint3d &, ZcGe::PointContainment &, ZcBrEntity *&)
ZcBr::ErrorStatus	**getSubentPath** (ZcDbFullSubentPath &)
ZcBr::ErrorStatus	**getSurfaceArea** (double &, const double &, double &)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZcBr::ErrorStatus	**getVolume** (double &, const double &, double &)
void *	**internalImp** ()
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBr::ErrorStatus	**set** (const ZcDbFullSubentPath &)

ZcBr::ErrorStatus **set** (ZcBrBrepData *)

ZcBr::ErrorStatus **setEntity** (void *, ZcDbFullSubentPath &)

ZcBr::ErrorStatus **setSubentPath** (ZcDbFullSubentPath &)

ZcBr::ErrorStatus **setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject * **clone** ()

Zcad::ErrorStatus **cloneEx** (CloneType *&)

virtual ZcRx::Ordering **comparedTo** (const ZcRxObject *)

virtual Zcad::ErrorStatus **copyFrom** (const ZcRxObject *)

virtual ZcRxClass * **isA** ()

bool **isKindOf** (const ZcRxClass *)

ZcRxObject * **queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcBrEntity

ZcBrEntity & **operator=** (const ZcBrEntity &)

ZcBrEntity (const ZcBrEntity &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrvtx.h

ZcBrVertexEdgeTraverser Member List

This is the complete list of members for ZcBrVertexEdgeTraverser, including all inherited members.

brepChanged() (defined in ZcBrTraverser)	ZcBrTraverser	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
done() (defined in ZcBrTraverser)	ZcBrTraverser	
get(ZcBrTraverserData *&) (defined in ZcBrTraverser)	ZcBrTraverser	
getEdge(ZcBrEdge &) (defined in ZcBrVertexEdgeTraverser)	ZcBrVertexEdgeTraverser	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
getVertex(ZcBrVertex &) (defined in ZcBrVertexEdgeTraverser)	ZcBrVertexEdgeTraverser	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrTraverser)	ZcBrTraverser	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrTraverser)	ZcBrTraverser	
next() (defined in ZcBrTraverser)	ZcBrTraverser	
operator=(const ZcBrVertexEdgeTraverser &) (defined in ZcBrVertexEdgeTraverser)	ZcBrVertexEdgeTraverser	
operator=(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
restart() (defined in ZcBrTraverser)	ZcBrTraverser	
set(ZcBrTraverserData *) (defined in ZcBrTraverser)	ZcBrTraverser	
setEdge(const ZcBrEdge &) (defined in ZcBrVertexEdgeTraverser)	ZcBrVertexEdgeTraverser	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
setVertex(const ZcBrVertex &) (defined in ZcBrVertexEdgeTraverser)	ZcBrVertexEdgeTraverser	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcBrTraverser(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcBrVertexEdgeTraverser() (defined in ZcBrVertexEdgeTraverser)	ZcBrVertexEdgeTraverser	
ZcBrVertexEdgeTraverser(const ZcBrVertexEdgeTraverser &) (defined in ZcBrVertexEdgeTraverser)	ZcBrVertexEdgeTraverser	
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	virtual
~ZcBrVertexEdgeTraverser() (defined in ZcBrVertexEdgeTraverser)	ZcBrVertexEdgeTraverser	
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZcBrVertexEdgeTraverser Class Reference

ZcBr Classes

Inheritance diagram for ZcBrVertexEdgeTraverser:

Public Member Functions

ZcBr::ErrorStatus	**getEdge** (ZcBrEdge &)
ZcBr::ErrorStatus	**getVertex** (ZcBrVertex &)
ZcBrVertexEdgeTraverser &	**operator=** (const ZcBrVertexEdgeTraverser &)
ZcBr::ErrorStatus	**setEdge** (const ZcBrEdge &)
ZcBr::ErrorStatus	**setVertex** (const ZcBrVertex &)
	ZcBrVertexEdgeTraverser (const ZcBrVertexEdgeTraverser &)

Public Member Functions inherited from ZcBrTraverser

ZSoft::Boolean	**brepChanged** ()
ZSoft::Boolean	**done** ()
ZcBr::ErrorStatus	**get** (ZcBrTraverserData *&)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBr::ErrorStatus	**next** ()
ZcBr::ErrorStatus	**restart** ()
ZcBr::ErrorStatus	**set** (ZcBrTraverserData *)
ZcBr::ErrorStatus	**setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**clone** ()
Zcad::ErrorStatus	**cloneEx** (CloneType *&)
virtual ZcRx::Ordering	**comparedTo** (const ZcRxObject *)
virtual Zcad::ErrorStatus	**copyFrom** (const ZcRxObject *)
virtual ZcRxClass *	**isA** ()
bool	**isKindOf** (const ZcRxClass *)
ZcRxObject *	**queryX** (const ZcRxClass *)
ZcRxObject *	**x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcBrTraverser

ZcBrTraverser & **operator=** (const ZcBrTraverser &)

ZcBrTraverser (const ZcBrTraverser &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrvetrav.h

ZcBrVertexLoopTraverser Member List

This is the complete list of members for ZcBrVertexLoopTraverser, including all inherited members.

brepChanged() (defined in ZcBrTraverser)	ZcBrTraverser	
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
done() (defined in ZcBrTraverser)	ZcBrTraverser	
get(ZcBrTraverserData *&) (defined in ZcBrTraverser)	ZcBrTraverser	
getLoop(ZcBrLoop &) (defined in ZcBrVertexLoopTraverser)	ZcBrVertexLoopTraverser	
getValidationLevel(ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
getVertex(ZcBrVertex &) (defined in ZcBrVertexLoopTraverser)	ZcBrVertexLoopTraverser	
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isEqualTo(const ZcRxObject *) (defined in ZcBrTraverser)	ZcBrTraverser	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
isNull() (defined in ZcBrTraverser)	ZcBrTraverser	
next() (defined in ZcBrTraverser)	ZcBrTraverser	
operator=(const ZcBrVertexLoopTraverser &) (defined in ZcBrVertexLoopTraverser)	ZcBrVertexLoopTraverser	
operator=(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
restart() (defined in ZcBrTraverser)	ZcBrTraverser	
set(ZcBrTraverserData *) (defined in ZcBrTraverser)	ZcBrTraverser	
setLoop(const ZcBrLoop &) (defined in ZcBrVertexLoopTraverser)	ZcBrVertexLoopTraverser	
setValidationLevel(const ZcBr::ValidationLevel &) (defined in ZcBrTraverser)	ZcBrTraverser	
setVertex(const ZcBrVertex &) (defined in ZcBrVertexLoopTraverser)	ZcBrVertexLoopTraverser	
setVertexAndLoop(const ZcBrLoopVertexTraverser &) (defined in ZcBrVertexLoopTraverser)	ZcBrVertexLoopTraverser	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcBrTraverser(const ZcBrTraverser &) (defined in ZcBrTraverser)	ZcBrTraverser	protected
ZcBrVertexLoopTraverser() (defined in ZcBrVertexLoopTraverser)	ZcBrVertexLoopTraverser	
ZcBrVertexLoopTraverser(const ZcBrVertexLoopTraverser &) (defined in ZcBrVertexLoopTraverser)	ZcBrVertexLoopTraverser	
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcBrTraverser() (defined in ZcBrTraverser)	ZcBrTraverser	virtual
~ZcBrVertexLoopTraverser() (defined in ZcBrVertexLoopTraverser)	ZcBrVertexLoopTraverser	
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZcBrVertexLoopTraverser Class Reference

ZcBr Classes

Inheritance diagram for ZcBrVertexLoopTraverser:

Public Member Functions

ZcBr::ErrorStatus	**getLoop** (ZcBrLoop &)
ZcBr::ErrorStatus	**getVertex** (ZcBrVertex &)
ZcBrVertexLoopTraverser &	**operator=** (const ZcBrVertexLoopTraverser &)
ZcBr::ErrorStatus	**setLoop** (const ZcBrLoop &)
ZcBr::ErrorStatus	**setVertex** (const ZcBrVertex &)
ZcBr::ErrorStatus	**setVertexAndLoop** (const ZcBrLoopVertexTraverser &)
	ZcBrVertexLoopTraverser (const ZcBrVertexLoopTraverser &)

Public Member Functions inherited from ZcBrTraverser

ZSoft::Boolean	**brepChanged** ()
ZSoft::Boolean	**done** ()
ZcBr::ErrorStatus	**get** (ZcBrTraverserData *&)
ZcBr::ErrorStatus	**getValidationLevel** (ZcBr::ValidationLevel &)
ZSoft::Boolean	**isEqualTo** (const ZcRxObject *)
ZSoft::Boolean	**isNull** ()
ZcBr::ErrorStatus	**next** ()
ZcBr::ErrorStatus	**restart** ()
ZcBr::ErrorStatus	**set** (ZcBrTraverserData *)
ZcBr::ErrorStatus	**setValidationLevel** (const ZcBr::ValidationLevel &)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject *	**clone** ()
Zcad::ErrorStatus	**cloneEx** (CloneType *&)
virtual ZcRx::Ordering	**comparedTo** (const ZcRxObject *)
virtual Zcad::ErrorStatus	**copyFrom** (const ZcRxObject *)
virtual ZcRxClass *	**isA** ()
bool	**isKindOf** (const ZcRxClass *)
ZcRxObject *	**queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcBrTraverser

ZcBrTraverser & **operator=** (const ZcBrTraverser &)

ZcBrTraverser (const ZcBrTraverser &)

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zcbrvltrav.h

ZcCFile Member List

This is the complete list of members for ZcCFile, including all inherited members.

attachBuffer(void *, unsigned) (defined in ZcCFile)	ZcCFile	
detachBuffer() (defined in ZcCFile)	ZcCFile	
flushBytes() (defined in ZcCFile)	ZcCFile	
getCharFormat() (defined in ZcCFile)	ZcCFile	
getExpandLF() (defined in ZcCFile)	ZcCFile	
getUseCIF() (defined in ZcCFile)	ZcCFile	
hasBuffer() (defined in ZcCFile)	ZcCFile	
Read(void *, UINT) (defined in ZcCFile)	ZcCFile	virtual
Read(LPTSTR, UINT) (defined in ZcCFile)	ZcCFile	virtual
readBOM() (defined in ZcCFile)	ZcCFile	
setCharFormat(unsigned) (defined in ZcCFile)	ZcCFile	
setExpandLF(bool) (defined in ZcCFile)	ZcCFile	
setUseCIF(bool) (defined in ZcCFile)	ZcCFile	
Write(const void *, UINT) (defined in ZcCFile)	ZcCFile	virtual
Write(LPCTSTR, UINT) (defined in ZcCFile)	ZcCFile	virtual
Write(LPCTSTR) (defined in ZcCFile)	ZcCFile	virtual
writeBOM() (defined in ZcCFile)	ZcCFile	
ZcCFile() (defined in ZcCFile)	ZcCFile	
ZcCFile(HANDLE) (defined in ZcCFile)	ZcCFile	
ZcCFile(LPCTSTR, UINT) (defined in ZcCFile)	ZcCFile	
~ZcCFile() (defined in ZcCFile)	ZcCFile	virtual

ZcCFile Class Reference
Miscellaneous Classes
Inheritance diagram for ZcCFile:

Public Member Functions

bool	**attachBuffer** (void *, unsigned)
bool	**detachBuffer** ()
bool	**flushBytes** ()
unsigned	**getCharFormat** ()
bool	**getExpandLF** ()
bool	**getUseCIF** ()
bool	**hasBuffer** ()
virtual UINT	**Read** (void *, UINT)
virtual UINT	**Read** (LPTSTR, UINT)
bool	**readBOM** ()
unsigned	**setCharFormat** (unsigned)
bool	**setExpandLF** (bool)
bool	**setUseCIF** (bool)
virtual void	**Write** (const void *, UINT)
virtual void	**Write** (LPCTSTR, UINT)
virtual void	**Write** (LPCTSTR)
bool	**writeBOM** ()
	ZcCFile (HANDLE)
	ZcCFile (LPCTSTR, UINT)

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

- zAcCFileWrappers.h

ZcCStdioFile Member List

This is the complete list of members for ZcCStdioFile, including all inherited members.

attachBuffer(void *, unsigned) (defined in ZcCStdioFile)	ZcCStdioFile	
detachBuffer() (defined in ZcCStdioFile)	ZcCStdioFile	
flushBytes() (defined in ZcCStdioFile)	ZcCStdioFile	
getCharFormat() (defined in ZcCStdioFile)	ZcCStdioFile	
getExpandLF() (defined in ZcCStdioFile)	ZcCStdioFile	
getUseCIF() (defined in ZcCStdioFile)	ZcCStdioFile	
hasBuffer() (defined in ZcCStdioFile)	ZcCStdioFile	
readBOM() (defined in ZcCStdioFile)	ZcCStdioFile	
ReadString(LPTSTR, UINT) (defined in ZcCStdioFile)	ZcCStdioFile	virtual
ReadString(CString &) (defined in ZcCStdioFile)	ZcCStdioFile	virtual
setCharFormat(unsigned) (defined in ZcCStdioFile)	ZcCStdioFile	
setExpandLF(bool) (defined in ZcCStdioFile)	ZcCStdioFile	
setUseCIF(bool) (defined in ZcCStdioFile)	ZcCStdioFile	
writeBOM() (defined in ZcCStdioFile)	ZcCStdioFile	
WriteString(LPCTSTR) (defined in ZcCStdioFile)	ZcCStdioFile	virtual
ZcCStdioFile() (defined in ZcCStdioFile)	ZcCStdioFile	
ZcCStdioFile(FILE *) (defined in ZcCStdioFile)	ZcCStdioFile	
ZcCStdioFile(LPCTSTR, UINT) (defined in ZcCStdioFile)	ZcCStdioFile	
~ZcCStdioFile() (defined in ZcCStdioFile)	ZcCStdioFile	virtual

ZcCStdioFile Class Reference

Miscellaneous Classes

Inheritance diagram for ZcCStdioFile:

Public Member Functions

bool	**attachBuffer** (void *, unsigned)
bool	**detachBuffer** ()
bool	**flushBytes** ()
unsigned	**getCharFormat** ()
bool	**getExpandLF** ()
bool	**getUseCIF** ()
bool	**hasBuffer** ()
bool	**readBOM** ()
virtual LPTSTR	**ReadString** (LPTSTR, UINT)
virtual BOOL	**ReadString** (CString &)
unsigned	**setCharFormat** (unsigned)
bool	**setExpandLF** (bool)
bool	**setUseCIF** (bool)
bool	**writeBOM** ()
virtual void	**WriteString** (LPCTSTR)
	ZcCStdioFile (FILE *)
	ZcCStdioFile (LPCTSTR, UINT)

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

- zAcCFileWrappers.h

ZcCellRange Member List

This is the complete list of members for ZcCellRange, including all inherited members.

mnBottomRow (defined in ZcCellRange)	ZcCellRange
mnLeftColumn (defined in ZcCellRange)	ZcCellRange
mnRightColumn (defined in ZcCellRange)	ZcCellRange
mnTopRow (defined in ZcCellRange)	ZcCellRange
operator!=(const ZcCellRange &) (defined in ZcCellRange)	ZcCellRange
operator==(const ZcCellRange &) (defined in ZcCellRange)	ZcCellRange
ZcCellRange() (defined in ZcCellRange)	ZcCellRange

ZcCellRange Struct Reference

Public Member Functions

bool **operator!=** (const ZcCellRange &)

bool **operator==** (const ZcCellRange &)

Public Attributes

int **mnBottomRow**

int **mnLeftColumn**

int **mnRightColumn**

int **mnTopRow**

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

- zAcCell.h

ZcCmColor Member List

This is the complete list of members for ZcCmColor, including all inherited members.

audit(ZcDbAuditInfo *) (defined in ZcCmColor)	ZcCmColor	
blue() (defined in ZcCmColor)	ZcCmColor	virtual
bookName() (defined in ZcCmColor)	ZcCmColor	virtual
color() (defined in ZcCmColor)	ZcCmColor	virtual
colorIndex() (defined in ZcCmColor)	ZcCmColor	virtual
colorMethod() (defined in ZcCmColor)	ZcCmColor	virtual
colorName() (defined in ZcCmColor)	ZcCmColor	virtual
colorNameForDisplay() (defined in ZcCmColor)	ZcCmColor	virtual
dictionaryKeyLength() (defined in ZcCmColor)	ZcCmColor	
dwgIn(ZcDbDwgFiler *) (defined in ZcCmColor)	ZcCmColor	
dwgInAsTrueColor(ZcDbDwgFiler *) (defined in ZcCmColor)	ZcCmColor	
dwgOut(ZcDbDwgFiler *) (defined in ZcCmColor)	ZcCmColor	
dwgOutAsTrueColor(ZcDbDwgFiler *) (defined in ZcCmColor)	ZcCmColor	
dxfIn(ZcDbDxfFiler *, int) (defined in ZcCmColor)	ZcCmColor	
dxfOut(ZcDbDxfFiler *, int) (defined in ZcCmColor)	ZcCmColor	
entityColor() (defined in ZcCmColor)	ZcCmColor	
getCOLORREF() (defined in ZcCmColor)	ZcCmColor	virtual
getDescription(ZcString &) (defined in ZcCmColor)	ZcCmColor	
getDescription(ZTCHAR *&) (defined in ZcCmColor)	ZcCmColor	
getDictionaryKey(ZcString &) (defined in ZcCmColor)	ZcCmColor	
getDictionaryKey(ZTCHAR *, size_t) (defined in ZcCmColor)	ZcCmColor	
getExplanation(ZcString &) (defined in ZcCmColor)	ZcCmColor	
getExplanation(ZTCHAR *&) (defined in ZcCmColor)	ZcCmColor	
getRGB() (defined in ZcCmColor)	ZcCmColor	virtual
getRGBM() (defined in ZcCmColor)	ZcCmColor	virtual
green() (defined in ZcCmColor)	ZcCmColor	virtual
hasBookName() (defined in ZcCmColor)	ZcCmColor	virtual
hasColorName() (defined in ZcCmColor)	ZcCmColor	virtual
isByACI() (defined in ZcCmColor)	ZcCmColor	virtual
isByBlock() (defined in ZcCmColor)	ZcCmColor	virtual
isByColor() (defined in ZcCmColor)	ZcCmColor	virtual
isByLayer() (defined in ZcCmColor)	ZcCmColor	virtual
isByPen() (defined in ZcCmColor)	ZcCmColor	virtual
isForeground() (defined in ZcCmColor)	ZcCmColor	virtual
isNone() (defined in ZcCmColor)	ZcCmColor	
operator!=(const ZcCmColor &) (defined in ZcCmColor)	ZcCmColor	
operator!=(const ZcCmColorBase &) (defined in ZcCmColor)	ZcCmColor	
operator=(const ZcCmColor &) (defined in ZcCmColor)	ZcCmColor	
operator=(const ZcCmColorBase &) (defined in ZcCmColor)	ZcCmColor	
operator=(const ZcCmEntityColor &) (defined in ZcCmColor)	ZcCmColor	
operator==(const ZcCmColor &) (defined in ZcCmColor)	ZcCmColor	
operator==(const ZcCmColorBase &) (defined in ZcCmColor)	ZcCmColor	
penIndex() (defined in ZcCmColor)	ZcCmColor	virtual
red() (defined in ZcCmColor)	ZcCmColor	virtual
serializeIn(const void *, int *) (defined in ZcCmColor)	ZcCmColor	
serializeOut(void *, int *, ZcDb::ZcDbDwgVersion) (defined in ZcCmColor)	ZcCmColor	
setBlue(ZSoft::UInt8) (defined in ZcCmColor)	ZcCmColor	virtual
setByBlock() (defined in ZcCmColor)	ZcCmColor	virtual
setByLayer() (defined in ZcCmColor)	ZcCmColor	virtual
setColor(ZSoft::UInt32) (defined in ZcCmColor)	ZcCmColor	virtual
setColorIndex(ZSoft::UInt16) (defined in ZcCmColor)	ZcCmColor	virtual
setColorMethod(ZcCmEntityColor::ColorMethod) (defined in ZcCmColor)	ZcCmColor	virtual
setCOLORREF(ZSoft::ColorRef) (defined in ZcCmColor)	ZcCmColor	virtual
setForeground() (defined in ZcCmColor)	ZcCmColor	virtual

setGreen(ZSoft::UInt8) (defined in ZcCmColor)	ZcCmColor	virtual
setLayerOff() (defined in ZcCmColor)	ZcCmColor	virtual
setNames(const ZTCHAR *, const ZTCHAR *) (defined in ZcCmColor)	ZcCmColor	virtual
setNamesFromDictionaryKey(const ZTCHAR *) (defined in ZcCmColor)	ZcCmColor	
setNone() (defined in ZcCmColor)	ZcCmColor	virtual
setPenIndex(ZSoft::UInt16) (defined in ZcCmColor)	ZcCmColor	virtual
setRed(ZSoft::UInt8) (defined in ZcCmColor)	ZcCmColor	virtual
setRGB(ZSoft::UInt8, ZSoft::UInt8, ZSoft::UInt8) (defined in ZcCmColor)	ZcCmColor	virtual
setRGB(ZSoft::RGBQuad) (defined in ZcCmColor)	ZcCmColor	virtual
setRGBM(ZSoft::UInt32) (defined in ZcCmColor)	ZcCmColor	virtual
ZcCmColor() (defined in ZcCmColor)	ZcCmColor	
ZcCmColor(const ZcCmColor &) (defined in ZcCmColor)	ZcCmColor	
ZcCmColor(const ZcCmColorBase &) (defined in ZcCmColor)	ZcCmColor	
ZcCmColor(const ZcCmEntityColor &) (defined in ZcCmColor)	ZcCmColor	
~ZcCmColor() (defined in ZcCmColor)	ZcCmColor	
~ZcCmColorBase() (defined in ZcCmColorBase)	ZcCmColorBase	virtual

ZcCmColor Class Reference

ZcCm Classes

Inheritance diagram for ZcCmColor:

Public Member Functions

Zcad::ErrorStatus	**audit** (ZcDbAuditInfo *)
ZSoft::UInt8	**blue** ()
const ZTCHAR *	**bookName** ()
ZSoft::UInt32	**color** ()
ZSoft::UInt16	**colorIndex** ()
ZcCmEntityColor::ColorMethod	**colorMethod** ()
const ZTCHAR *	**colorName** ()
const ZTCHAR *	**colorNameForDisplay** ()
int	**dictionaryKeyLength** ()
Zcad::ErrorStatus	**dwgIn** (ZcDbDwgFiler *)
Zcad::ErrorStatus	**dwgInAsTrueColor** (ZcDbDwgFiler *)
Zcad::ErrorStatus	**dwgOut** (ZcDbDwgFiler *)
Zcad::ErrorStatus	**dwgOutAsTrueColor** (ZcDbDwgFiler *)
Zcad::ErrorStatus	**dxfIn** (ZcDbDxfFiler *, int)
Zcad::ErrorStatus	**dxfOut** (ZcDbDxfFiler *, int)
ZcCmEntityColor	**entityColor** ()
ZSoft::ColorRef	**getCOLORREF** ()
Zcad::ErrorStatus	**getDescription** (ZcString &)
Zcad::ErrorStatus	**getDescription** (ZTCHAR *&)
Zcad::ErrorStatus	**getDictionaryKey** (ZcString &)
Zcad::ErrorStatus	**getDictionaryKey** (ZTCHAR *, size_t)
Zcad::ErrorStatus	**getExplanation** (ZcString &)
Zcad::ErrorStatus	**getExplanation** (ZTCHAR *&)
ZSoft::RGBQuad	**getRGB** ()
ZSoft::UInt32	**getRGBM** ()

ZSoft::UInt8 **green** ()

bool **hasBookName** ()

bool **hasColorName** ()

bool **isByACI** ()

bool **isByBlock** ()

bool **isByColor** ()

bool **isByLayer** ()

bool **isByPen** ()

bool **isForeground** ()

bool **isNone** ()

bool **operator!=** (const ZcCmColor &)

bool **operator!=** (const ZcCmColorBase &)

ZcCmColor & **operator=** (const ZcCmColor &)

ZcCmColor & **operator=** (const ZcCmColorBase &)

ZcCmColor & **operator=** (const ZcCmEntityColor &)

bool **operator==** (const ZcCmColor &)

bool **operator==** (const ZcCmColorBase &)

ZSoft::UInt16 **penIndex** ()

ZSoft::UInt8 **red** ()

Zcad::ErrorStatus **serializeIn** (const void *, int *)

Zcad::ErrorStatus **serializeOut** (void *, int *, ZcDb::ZcDbDwgVersion)

Zcad::ErrorStatus **setBlue** (ZSoft::UInt8)

void **setByBlock** ()

void **setByLayer** ()

Zcad::ErrorStatus **setColor** (ZSoft::UInt32)

Zcad::ErrorStatus **setColorIndex** (ZSoft::UInt16)

Zcad::ErrorStatus **setColorMethod** (ZcCmEntityColor::ColorMethod)

Zcad::ErrorStatus **setCOLORREF** (ZSoft::ColorRef)

void **setForeground** ()

Zcad::ErrorStatus **setGreen** (ZSoft::UInt8)

void	**setLayerOff** ()
Zcad::ErrorStatus	**setNames** (const ZTCHAR *, const ZTCHAR *)
Zcad::ErrorStatus	**setNamesFromDictionaryKey** (const ZTCHAR *)
void	**setNone** ()
Zcad::ErrorStatus	**setPenIndex** (ZSoft::UInt16)
Zcad::ErrorStatus	**setRed** (ZSoft::UInt8)
Zcad::ErrorStatus	**setRGB** (ZSoft::UInt8, ZSoft::UInt8, ZSoft::UInt8)
Zcad::ErrorStatus	**setRGB** (ZSoft::RGBQuad)
Zcad::ErrorStatus	**setRGBM** (ZSoft::UInt32)
	ZcCmColor (const ZcCmColor &)
	ZcCmColor (const ZcCmColorBase &)
	ZcCmColor (const ZcCmEntityColor &)

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

- zAcCmColor.h

ZcCmColorBase Member List

This is the complete list of members for ZcCmColorBase, including all inherited members.

blue()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
bookName()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
color()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
colorIndex()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
colorMethod()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
colorName()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
colorNameForDisplay()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
getCOLORREF()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
getRGB()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
getRGBM()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
green()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
hasBookName()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
hasColorName()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
isByACI()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
isByBlock()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
isByColor()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
isByLayer()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
isByPen()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
isForeground()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
penIndex()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
red()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setBlue(ZSoft::UInt8)=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setByBlock()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setByLayer()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setColor(ZSoft::UInt32)=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setColorIndex(ZSoft::UInt16)=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setColorMethod(ZcCmEntityColor::ColorMethod)=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setCOLORREF(ZSoft::ColorRef)=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setForeground()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setGreen(ZSoft::UInt8)=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setLayerOff()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setNames(const ZTCHAR *, const ZTCHAR *)=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setNone()=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setPenIndex(ZSoft::UInt16)=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setRed(ZSoft::UInt8)=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setRGB(ZSoft::UInt8, ZSoft::UInt8, ZSoft::UInt8)=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setRGB(ZSoft::RGBQuad)=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
setRGBM(ZSoft::UInt32)=0 (defined in ZcCmColorBase)	ZcCmColorBase	pure virtual
~ZcCmColorBase() (defined in ZcCmColorBase)	ZcCmColorBase	virtual

ZcCmColorBase Class Referenceabstract

ZcCm Classes

Inheritance diagram for ZcCmColorBase:

Public Member Functions

virtual ZSoft::UInt8	**blue** ()=0
virtual const ZTCHAR *	**bookName** ()=0
virtual ZSoft::UInt32	**color** ()=0
virtual ZSoft::UInt16	**colorIndex** ()=0
virtual ZcCmEntityColor::ColorMethod	**colorMethod** ()=0
virtual const ZTCHAR *	**colorName** ()=0
virtual const ZTCHAR *	**colorNameForDisplay** ()=0
virtual ZSoft::ColorRef	**getCOLORREF** ()=0
virtual ZSoft::RGBQuad	**getRGB** ()=0
virtual ZSoft::UInt32	**getRGBM** ()=0
virtual ZSoft::UInt8	**green** ()=0
virtual bool	**hasBookName** ()=0
virtual bool	**hasColorName** ()=0
virtual bool	**isByACI** ()=0
virtual bool	**isByBlock** ()=0
virtual bool	**isByColor** ()=0
virtual bool	**isByLayer** ()=0
virtual bool	**isByPen** ()=0
virtual bool	**isForeground** ()=0
virtual ZSoft::UInt16	**penIndex** ()=0
virtual ZSoft::UInt8	**red** ()=0
virtual Zcad::ErrorStatus	**setBlue** (ZSoft::UInt8)=0
virtual void	**setByBlock** ()=0
virtual void	**setByLayer** ()=0
virtual Zcad::ErrorStatus	**setColor** (ZSoft::UInt32)=0

virtual Zcad::ErrorStatus **setColorIndex** (ZSoft::UInt16)=0

virtual Zcad::ErrorStatus **setColorMethod** (ZcCmEntityColor::ColorMethod)=0

virtual Zcad::ErrorStatus **setCOLORREF** (ZSoft::ColorRef)=0

virtual void **setForeground** ()=0

virtual Zcad::ErrorStatus **setGreen** (ZSoft::UInt8)=0

virtual void **setLayerOff** ()=0

virtual Zcad::ErrorStatus **setNames** (const ZTCHAR *, const ZTCHAR *)=0

virtual void **setNone** ()=0

virtual Zcad::ErrorStatus **setPenIndex** (ZSoft::UInt16)=0

virtual Zcad::ErrorStatus **setRed** (ZSoft::UInt8)=0

virtual Zcad::ErrorStatus **setRGB** (ZSoft::UInt8, ZSoft::UInt8, ZSoft::UInt8)=0

virtual Zcad::ErrorStatus **setRGB** (ZSoft::RGBQuad)=0

virtual Zcad::ErrorStatus **setRGBM** (ZSoft::UInt32)=0

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

- zdbcolor.h

ZcCmComplexColor Member List

This is the complete list of members for ZcCmComplexColor, including all inherited members.

audit(ZcDbAuditInfo *) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
blue() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
cast(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	static
className() (defined in ZcRxObject)	ZcRxObject	static
clone() (defined in ZcRxObject)	ZcRxObject	virtual
cloneEx(CloneType *&) (defined in ZcRxObject)	ZcRxObject	
color() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
colorIndex() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
colorMethod() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
comparedTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
copyFrom(const ZcRxObject *) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
decReference() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
desc() (defined in ZcRxObject)	ZcRxObject	static
dwgIn(ZcDbDwgFiler *) (defined in ZcDbXObject)	ZcDbXObject	
dwgInFields(ZcDbDwgFiler *) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
dwgOut(ZcDbDwgFiler *) (defined in ZcDbXObject)	ZcDbXObject	
dwgOutFields(ZcDbDwgFiler *) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
dxfIn(ZcDbDxfFiler *) (defined in ZcDbXObject)	ZcDbXObject	
dxfInFields(ZcDbDxfFiler *) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
dxfOut(ZcDbDxfFiler *) (defined in ZcDbXObject)	ZcDbXObject	
dxfOutFields(ZcDbDxfFiler *) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
getDescription(ZcString &) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
getDescription(ZTCHAR *&) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
getExplanation(ZcString &) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
getExplanation(ZTCHAR *&) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
getRGB() (defined in ZcCmComplexColor)	ZcCmComplexColor	
getRGBM() (defined in ZcCmComplexColor)	ZcCmComplexColor	
green() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
incReference() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
isA() (defined in ZcRxObject)	ZcRxObject	virtual
isByACI() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
isByBlock() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
isByColor() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
isByLayer() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
isByPen() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
isEqualTo(const ZcRxObject *) (defined in ZcRxObject)	ZcRxObject	virtual
isForeground() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
isKindOf(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
penIndex() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
queryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	
red() (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
setBlue(ZSoft::UInt8) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
setColor(ZSoft::UInt32) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
setColorIndex(ZSoft::UInt16) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
setColorMethod(ZcCmEntityColor::ColorMethod) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
setGreen(ZSoft::UInt8) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
setPenIndex(ZSoft::UInt16) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
setRed(ZSoft::UInt8) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
setRGB(ZSoft::UInt8, ZSoft::UInt8, ZSoft::UInt8) (defined in ZcCmComplexColor)	ZcCmComplexColor	virtual
setRGB(ZSoft::UInt32) (defined in ZcCmComplexColor)	ZcCmComplexColor	
setRGBM(ZSoft::UInt32) (defined in ZcCmComplexColor)	ZcCmComplexColor	
subQueryX(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	protectedvirtual
x(const ZcRxClass *) (defined in ZcRxObject)	ZcRxObject	

ZcDbXObject() (defined in ZcDbXObject)	ZcDbXObject	protected
ZcRxObject() (defined in ZcRxObject)	ZcRxObject	protected
~ZcRxObject() (defined in ZcRxObject)	ZcRxObject	virtual

ZcCmComplexColor Class Reference

ZcCm Classes

Inheritance diagram for ZcCmComplexColor:

Public Member Functions

virtual Zcad::ErrorStatus	**audit** (ZcDbAuditInfo *)
virtual ZSoft::UInt8	**blue** ()
virtual ZSoft::UInt32	**color** ()
virtual ZSoft::UInt16	**colorIndex** ()
virtual ZcCmEntityColor::ColorMethod	**colorMethod** ()
virtual Zcad::ErrorStatus	**copyFrom** (const ZcRxObject *)
virtual void	**decReference** ()
virtual Zcad::ErrorStatus	**dwgInFields** (ZcDbDwgFiler *)
virtual Zcad::ErrorStatus	**dwgOutFields** (ZcDbDwgFiler *)
virtual Zcad::ErrorStatus	**dxfInFields** (ZcDbDxfFiler *)
virtual Zcad::ErrorStatus	**dxfOutFields** (ZcDbDxfFiler *)
virtual Zcad::ErrorStatus	**getDescription** (ZcString &)
virtual Zcad::ErrorStatus	**getDescription** (ZTCHAR *&)
virtual Zcad::ErrorStatus	**getExplanation** (ZcString &)
virtual Zcad::ErrorStatus	**getExplanation** (ZTCHAR *&)
ZSoft::UInt32	**getRGB** ()
ZSoft::UInt32	**getRGBM** ()
virtual ZSoft::UInt8	**green** ()
virtual ZcCmComplexColor *	**incReference** ()
virtual bool	**isByACI** ()
virtual bool	**isByBlock** ()
virtual bool	**isByColor** ()
virtual bool	**isByLayer** ()
virtual bool	**isByPen** ()
virtual bool	**isForeground** ()

virtual ZSoft::UInt16 **penIndex** ()

virtual ZSoft::UInt8 **red** ()

virtual Zcad::ErrorStatus **setBlue** (ZSoft::UInt8)

virtual Zcad::ErrorStatus **setColor** (ZSoft::UInt32)

virtual Zcad::ErrorStatus **setColorIndex** (ZSoft::UInt16)

virtual Zcad::ErrorStatus **setColorMethod** (ZcCmEntityColor::ColorMethod)

virtual Zcad::ErrorStatus **setGreen** (ZSoft::UInt8)

virtual Zcad::ErrorStatus **setPenIndex** (ZSoft::UInt16)

virtual Zcad::ErrorStatus **setRed** (ZSoft::UInt8)

virtual Zcad::ErrorStatus **setRGB** (ZSoft::UInt8, ZSoft::UInt8, ZSoft::UInt8)

Zcad::ErrorStatus **setRGB** (ZSoft::UInt32)

Zcad::ErrorStatus **setRGBM** (ZSoft::UInt32)

Public Member Functions inherited from ZcDbXObject

Zcad::ErrorStatus **dwgIn** (ZcDbDwgFiler *)

Zcad::ErrorStatus **dwgOut** (ZcDbDwgFiler *)

Zcad::ErrorStatus **dxfIn** (ZcDbDxfFiler *)

Zcad::ErrorStatus **dxfOut** (ZcDbDxfFiler *)

Public Member Functions inherited from ZcRxObject

virtual ZcRxObject * **clone** ()

Zcad::ErrorStatus **cloneEx** (CloneType *&)

virtual ZcRx::Ordering **comparedTo** (const ZcRxObject *)

virtual ZcRxClass * **isA** ()

virtual bool **isEqualTo** (const ZcRxObject *)

bool **isKindOf** (const ZcRxClass *)

ZcRxObject * **queryX** (const ZcRxClass *)

ZcRxObject * **x** (const ZcRxClass *)

Additional Inherited Members

Static Public Member Functions inherited from ZcRxObject

static ZcRxObject * **cast** (const ZcRxObject *)

static const wchar_t * **className** ()

static ZcRxClass * **desc** ()

Protected Member Functions inherited from ZcRxObject

virtual ZcRxObject * **subQueryX** (const ZcRxClass *)

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

- zdbmain.h

ZcCmEntityColor Member List

This is the complete list of members for ZcCmEntityColor, including all inherited members.

black() (defined in ZcCmEntityColor)	ZcCmEntityColor	static
blue() (defined in ZcCmEntityColor)	ZcCmEntityColor	
ByBlock() (defined in ZcCmEntityColor)	ZcCmEntityColor	static
ByLayer() (defined in ZcCmEntityColor)	ZcCmEntityColor	static
canResolveRGB() (defined in ZcCmEntityColor)	ZcCmEntityColor	
color() (defined in ZcCmEntityColor)	ZcCmEntityColor	
colorIndex() (defined in ZcCmEntityColor)	ZcCmEntityColor	
colorMethod() (defined in ZcCmEntityColor)	ZcCmEntityColor	
forceRGB(ZSoft::ColorRef) (defined in ZcCmEntityColor)	ZcCmEntityColor	
Foreground() (defined in ZcCmEntityColor)	ZcCmEntityColor	static
getCOLORREF() (defined in ZcCmEntityColor)	ZcCmEntityColor	
getRGB() (defined in ZcCmEntityColor)	ZcCmEntityColor	
getRGBM() (defined in ZcCmEntityColor)	ZcCmEntityColor	
green() (defined in ZcCmEntityColor)	ZcCmEntityColor	
indirect24() (defined in ZcCmEntityColor)	ZcCmEntityColor	
isByACI() (defined in ZcCmEntityColor)	ZcCmEntityColor	
isByBlock() (defined in ZcCmEntityColor)	ZcCmEntityColor	
isByColor() (defined in ZcCmEntityColor)	ZcCmEntityColor	
isByLayer() (defined in ZcCmEntityColor)	ZcCmEntityColor	
isByPen() (defined in ZcCmEntityColor)	ZcCmEntityColor	
isForeground() (defined in ZcCmEntityColor)	ZcCmEntityColor	
isLayerFrozen() (defined in ZcCmEntityColor)	ZcCmEntityColor	
isLayerFrozenOrOff() (defined in ZcCmEntityColor)	ZcCmEntityColor	
isLayerOff() (defined in ZcCmEntityColor)	ZcCmEntityColor	
isNone() (defined in ZcCmEntityColor)	ZcCmEntityColor	
layerIndex() (defined in ZcCmEntityColor)	ZcCmEntityColor	
lookUpACI() (defined in ZcCmEntityColor)	ZcCmEntityColor	
lookUpACI(ZSoft::UInt8, ZSoft::UInt8, ZSoft::UInt8) (defined in ZcCmEntityColor)	ZcCmEntityColor	static
lookUpRGB(ZSoft::UInt8) (defined in ZcCmEntityColor)	ZcCmEntityColor	static
makeRGB(ZSoft::ColorRef) (defined in ZcCmEntityColor)	ZcCmEntityColor	
makeTrueColor() (defined in ZcCmEntityColor)	ZcCmEntityColor	
None() (defined in ZcCmEntityColor)	ZcCmEntityColor	static
operator!=(const ZcCmEntityColor &) (defined in ZcCmEntityColor)	ZcCmEntityColor	
operator=(const ZcCmEntityColor &) (defined in ZcCmEntityColor)	ZcCmEntityColor	
operator==(const ZcCmEntityColor &) (defined in ZcCmEntityColor)	ZcCmEntityColor	
penIndex() (defined in ZcCmEntityColor)	ZcCmEntityColor	
red() (defined in ZcCmEntityColor)	ZcCmEntityColor	
setBlue(ZSoft::UInt8) (defined in ZcCmEntityColor)	ZcCmEntityColor	
setByBlock() (defined in ZcCmEntityColor)	ZcCmEntityColor	
setByLayer() (defined in ZcCmEntityColor)	ZcCmEntityColor	
setColor(ZSoft::UInt32) (defined in ZcCmEntityColor)	ZcCmEntityColor	
setColorIndex(ZSoft::Int16) (defined in ZcCmEntityColor)	ZcCmEntityColor	
setColorMethod(ColorMethod) (defined in ZcCmEntityColor)	ZcCmEntityColor	
setCOLORREF(ZSoft::ColorRef) (defined in ZcCmEntityColor)	ZcCmEntityColor	
setForeground() (defined in ZcCmEntityColor)	ZcCmEntityColor	
setGreen(ZSoft::UInt8) (defined in ZcCmEntityColor)	ZcCmEntityColor	
setLayerIndex(ZSoft::Int32) (defined in ZcCmEntityColor)	ZcCmEntityColor	
setLayerOff() (defined in ZcCmEntityColor)	ZcCmEntityColor	
setNone() (defined in ZcCmEntityColor)	ZcCmEntityColor	
setPenIndex(ZSoft::UInt16) (defined in ZcCmEntityColor)	ZcCmEntityColor	
setRed(ZSoft::UInt8) (defined in ZcCmEntityColor)	ZcCmEntityColor	
setRGB(ZSoft::UInt8, ZSoft::UInt8, ZSoft::UInt8) (defined in ZcCmEntityColor)	ZcCmEntityColor	
setRGB(ZSoft::RGBQuad) (defined in ZcCmEntityColor)	ZcCmEntityColor	

setRGBM(ZSoft::UInt32) (defined in ZcCmEntityColor)	ZcCmEntityColor	
setTrueColor() (defined in ZcCmEntityColor)	ZcCmEntityColor	
setTrueColorMethod() (defined in ZcCmEntityColor)	ZcCmEntityColor	
trueColor() (defined in ZcCmEntityColor)	ZcCmEntityColor	
trueColorMethod() (defined in ZcCmEntityColor)	ZcCmEntityColor	
white() (defined in ZcCmEntityColor)	ZcCmEntityColor	static
ZcCmEntityColor() (defined in ZcCmEntityColor)	ZcCmEntityColor	
ZcCmEntityColor(const ZcCmEntityColor &) (defined in ZcCmEntityColor)	ZcCmEntityColor	
ZcCmEntityColor(ZSoft::UInt8, ZSoft::UInt8, ZSoft::UInt8) (defined in ZcCmEntityColor)	ZcCmEntityColor	
ZcCmEntityColor(ColorMethod) (defined in ZcCmEntityColor)	ZcCmEntityColor	
~ZcCmEntityColor() (defined in ZcCmEntityColor)	ZcCmEntityColor	

ZcCmEntityColor Class Reference
ZcCm Classes

Public Member Functions

ZSoft::UInt8 **blue** ()

bool **canResolveRGB** ()

ZSoft::UInt32 **color** ()

ZSoft::Int16 **colorIndex** ()

ColorMethod **colorMethod** ()

ZcCmEntityColor **forceRGB** (ZSoft::ColorRef)

ZSoft::ColorRef **getCOLORREF** ()

ZSoft::RGBQuad **getRGB** ()

ZSoft::UInt32 **getRGBM** ()

ZSoft::UInt8 **green** ()

ZSoft::Int32 **indirect24** ()

bool **isByACI** ()

bool **isByBlock** ()

bool **isByColor** ()

bool **isByLayer** ()

bool **isByPen** ()

bool **isForeground** ()

bool **isLayerFrozen** ()

bool **isLayerFrozenOrOff** ()

bool **isLayerOff** ()

bool **isNone** ()

ZSoft::Int32 **layerIndex** ()

ZSoft::UInt8 **lookUpACI** ()

ZcCmEntityColor **makeRGB** (ZSoft::ColorRef)

ZcCmEntityColor **makeTrueColor** ()

bool **operator!=** (const ZcCmEntityColor &)

ZcCmEntityColor &	**operator=** (const ZcCmEntityColor &)
bool	**operator==** (const ZcCmEntityColor &)
ZSoft::UInt16	**penIndex** ()
ZSoft::UInt8	**red** ()
Zcad::ErrorStatus	**setBlue** (ZSoft::UInt8)
void	**setByBlock** ()
void	**setByLayer** ()
Zcad::ErrorStatus	**setColor** (ZSoft::UInt32)
Zcad::ErrorStatus	**setColorIndex** (ZSoft::Int16)
Zcad::ErrorStatus	**setColorMethod** (ColorMethod)
Zcad::ErrorStatus	**setCOLORREF** (ZSoft::ColorRef)
void	**setForeground** ()
Zcad::ErrorStatus	**setGreen** (ZSoft::UInt8)
Zcad::ErrorStatus	**setLayerIndex** (ZSoft::Int32)
void	**setLayerOff** ()
void	**setNone** ()
Zcad::ErrorStatus	**setPenIndex** (ZSoft::UInt16)
Zcad::ErrorStatus	**setRed** (ZSoft::UInt8)
Zcad::ErrorStatus	**setRGB** (ZSoft::UInt8, ZSoft::UInt8, ZSoft::UInt8)
Zcad::ErrorStatus	**setRGB** (ZSoft::RGBQuad)
Zcad::ErrorStatus	**setRGBM** (ZSoft::UInt32)
Zcad::ErrorStatus	**setTrueColor** ()
Zcad::ErrorStatus	**setTrueColorMethod** ()
ZSoft::UInt32	**trueColor** ()
ZSoft::UInt8	**trueColorMethod** ()
	ZcCmEntityColor (const ZcCmEntityColor &)
	ZcCmEntityColor (ZSoft::UInt8, ZSoft::UInt8, ZSoft::UInt8)
	ZcCmEntityColor (ColorMethod)

Static Public Member Functions

static ZcCmEntityColor **black** ()

static ZcCmEntityColor **ByBlock** ()

static ZcCmEntityColor **ByLayer** ()

static ZcCmEntityColor **Foreground** ()

static ZSoft::UInt8 **lookUpACI** (ZSoft::UInt8, ZSoft::UInt8, ZSoft::UInt8)

static ZSoft::UInt32 **lookUpRGB** (ZSoft::UInt8)

static ZcCmEntityColor **None** ()

static ZcCmEntityColor **white** ()

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

- zdbcolor.h

ZcCmHSB Member List

This is the complete list of members for ZcCmHSB, including all inherited members.

brightness() (defined in ZcCmHSB)	ZcCmHSB	virtual
hsbToRGB(ZSoft::UInt8 *, ZSoft::UInt8 *, ZSoft::UInt8 *) (defined in ZcCmHSB)	ZcCmHSB	virtual
hue() (defined in ZcCmHSB)	ZcCmHSB	virtual
operator!=(const ZcCmHSB &) (defined in ZcCmHSB)	ZcCmHSB	
operator=(const ZcCmHSB &) (defined in ZcCmHSB)	ZcCmHSB	
operator==(const ZcCmHSB &) (defined in ZcCmHSB)	ZcCmHSB	
rgbToHSB(ZSoft::UInt8, ZSoft::UInt8, ZSoft::UInt8) (defined in ZcCmHSB)	ZcCmHSB	virtual
saturation() (defined in ZcCmHSB)	ZcCmHSB	virtual
setBrightness(ZSoft::UInt8) (defined in ZcCmHSB)	ZcCmHSB	virtual
setBrightness(double) (defined in ZcCmHSB)	ZcCmHSB	virtual
setHSB(ZSoft::UInt32) (defined in ZcCmHSB)	ZcCmHSB	virtual
setHSB(ZSoft::UInt16, ZSoft::UInt8, ZSoft::UInt8) (defined in ZcCmHSB)	ZcCmHSB	virtual
setHSB(double, double, double) (defined in ZcCmHSB)	ZcCmHSB	virtual
setHue(ZSoft::UInt16) (defined in ZcCmHSB)	ZcCmHSB	virtual
setHue(double) (defined in ZcCmHSB)	ZcCmHSB	virtual
setSaturation(ZSoft::UInt8) (defined in ZcCmHSB)	ZcCmHSB	virtual
setSaturation(double) (defined in ZcCmHSB)	ZcCmHSB	virtual
value() (defined in ZcCmHSB)	ZcCmHSB	virtual
ZcCmHSB() (defined in ZcCmHSB)	ZcCmHSB	
ZcCmHSB(ZSoft::UInt16, ZSoft::UInt8, ZSoft::UInt8) (defined in ZcCmHSB)	ZcCmHSB	
ZcCmHSB(const ZcCmHSB &) (defined in ZcCmHSB)	ZcCmHSB	
~ZcCmHSB() (defined in ZcCmHSB)	ZcCmHSB	virtual

Public Member Functions

virtual ZSoft::UInt8	**brightness** ()
virtual Zcad::ErrorStatus	**hsbToRGB** (ZSoft::UInt8 *, ZSoft::UInt8 *, ZSoft::UInt8 *)
virtual ZSoft::UInt16	**hue** ()
bool	**operator!=** (const ZcCmHSB &)
ZcCmHSB &	**operator=** (const ZcCmHSB &)
bool	**operator==** (const ZcCmHSB &)
virtual Zcad::ErrorStatus	**rgbToHSB** (ZSoft::UInt8, ZSoft::UInt8, ZSoft::UInt8)
virtual ZSoft::UInt8	**saturation** ()
virtual Zcad::ErrorStatus	**setBrightness** (ZSoft::UInt8)
virtual Zcad::ErrorStatus	**setBrightness** (double)
virtual Zcad::ErrorStatus	**setHSB** (ZSoft::UInt32)
virtual Zcad::ErrorStatus	**setHSB** (ZSoft::UInt16, ZSoft::UInt8, ZSoft::UInt8)
virtual Zcad::ErrorStatus	**setHSB** (double, double, double)
virtual Zcad::ErrorStatus	**setHue** (ZSoft::UInt16)
virtual Zcad::ErrorStatus	**setHue** (double)
virtual Zcad::ErrorStatus	**setSaturation** (ZSoft::UInt8)
virtual Zcad::ErrorStatus	**setSaturation** (double)
virtual ZSoft::UInt32	**value** ()
	ZcCmHSB (ZSoft::UInt16, ZSoft::UInt8, ZSoft::UInt8)
	ZcCmHSB (const ZcCmHSB &)

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

- zdbmain.h

ZcCmTransparency Member List

This is the complete list of members for ZcCmTransparency, including all inherited members.

alpha() (defined in ZcCmTransparency)	ZcCmTransparency
alphaPercent() (defined in ZcCmTransparency)	ZcCmTransparency
isByAlpha() (defined in ZcCmTransparency)	ZcCmTransparency
isByBlock() (defined in ZcCmTransparency)	ZcCmTransparency
isByLayer() (defined in ZcCmTransparency)	ZcCmTransparency
isClear() (defined in ZcCmTransparency)	ZcCmTransparency
isInvalid() (defined in ZcCmTransparency)	ZcCmTransparency
isSolid() (defined in ZcCmTransparency)	ZcCmTransparency
operator!=(const ZcCmTransparency &) (defined in ZcCmTransparency)	ZcCmTransparency
operator=(const ZcCmTransparency &) (defined in ZcCmTransparency)	ZcCmTransparency
operator==(const ZcCmTransparency &) (defined in ZcCmTransparency)	ZcCmTransparency
serializeIn(ZSoft::UInt32) (defined in ZcCmTransparency)	ZcCmTransparency
serializeOut() (defined in ZcCmTransparency)	ZcCmTransparency
setAlpha(ZSoft::UInt8) (defined in ZcCmTransparency)	ZcCmTransparency
setAlphaPercent(double) (defined in ZcCmTransparency)	ZcCmTransparency
setMethod(transparencyMethod) (defined in ZcCmTransparency)	ZcCmTransparency
ZcCmTransparency() (defined in ZcCmTransparency)	ZcCmTransparency
ZcCmTransparency(ZSoft::UInt8) (defined in ZcCmTransparency)	ZcCmTransparency
ZcCmTransparency(double) (defined in ZcCmTransparency)	ZcCmTransparency
ZcCmTransparency(const ZcCmTransparency &) (defined in ZcCmTransparency)	ZcCmTransparency
~ZcCmTransparency() (defined in ZcCmTransparency)	ZcCmTransparency

Public Member Functions

ZSoft::UInt8	**alpha** ()
double	**alphaPercent** ()
bool	**isByAlpha** ()
bool	**isByBlock** ()
bool	**isByLayer** ()
bool	**isClear** ()
bool	**isInvalid** ()
bool	**isSolid** ()
bool	**operator!=** (const ZcCmTransparency &)
ZcCmTransparency &	**operator=** (const ZcCmTransparency &)
bool	**operator==** (const ZcCmTransparency &)
void	**serializeIn** (ZSoft::UInt32)
ZSoft::UInt32	**serializeOut** ()
void	**setAlpha** (ZSoft::UInt8)
void	**setAlphaPercent** (double)
void	**setMethod** (transparencyMethod)
	ZcCmTransparency (ZSoft::UInt8)
	ZcCmTransparency (double)
	ZcCmTransparency (const ZcCmTransparency &)

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

- zdbcolor.h