

Elements	SubstGr	Abstract	Nilable	No link	AnyType	Head Elem of SubstGr	Member of SubstGr	Head Elem of SubstGr	Member of SubstGr
STCmetadata	s		n					STCmetaData	
CatalogEntryLocation			n					STCmetaData	
ObsDataLocation			n					STCmetaData	
SearchLocation			n					STCmetaData	
STCDescription			n					STCmetaData	
STCResourceProfile			n					STCmetaData	
CoordSys	s		n					CoordSys	
AstroCoordSystem			n					CoordSys	
PixelCoordSystem			n					CoordSys	
CoordFrame			n						
TimeFrame			n						
SpaceFrame			n						
SpectralFrame			n						
RedshiftFrame			n						
PixelCoordFrame			n						
SpaceRefFrame	s	a		x				SpaceRefFrame	
AZ_EL				x				SpaceRefFrame	
BODY				x				SpaceRefFrame	
ECLIPTIC				x				SpaceRefFrame	
FK4				x				SpaceRefFrame	
FK5				x				SpaceRefFrame	
GALACTIC_I				x				SpaceRefFrame	
GALACTIC_II				x				SpaceRefFrame	
GEO_C				x				SpaceRefFrame	
GEO_D				x				SpaceRefFrame	
GSE				x				SpaceRefFrame	
GSM				x				SpaceRefFrame	
HEE				x				SpaceRefFrame	
HEEQ				x				SpaceRefFrame	
HGC				x				SpaceRefFrame	
HGI				x				SpaceRefFrame	
HGS				x				SpaceRefFrame	
HPC				x				SpaceRefFrame	
HPR				x				SpaceRefFrame	
HRTN				x				SpaceRefFrame	
ICRS				x				SpaceRefFrame	
JUPITER_C_III				x				SpaceRefFrame	
JUPITER_G_III				x				SpaceRefFrame	
LUNA_C				x				SpaceRefFrame	
LUNA_G				x				SpaceRefFrame	
MAG				x				SpaceRefFrame	
MARS_C				x				SpaceRefFrame	
MARS_G				x				SpaceRefFrame	
MERCURY_C				x				SpaceRefFrame	
MERCURY_G				x				SpaceRefFrame	
NEPTUNE_C_III				x				SpaceRefFrame	
NEPTUNE_G_III				x				SpaceRefFrame	
PLUTO_C				x				SpaceRefFrame	
PLUTO_G				x				SpaceRefFrame	
SATURN_C_III				x				SpaceRefFrame	
SATURN_G_III				x				SpaceRefFrame	
SM				x				SpaceRefFrame	
SUPER_GALACTIC				x				SpaceRefFrame	
URANUS_C_III				x				SpaceRefFrame	
URANUS_G_III				x				SpaceRefFrame	
VENUS_C				x				SpaceRefFrame	
VENUS_G				x				SpaceRefFrame	
UNKNOWNFrame				x				SpaceRefFrame	
CoordRefFrame	s	a		x				SpaceRefFrame	CoordRefFrame
Cart2DRefFrame				x					CoordRefFrame
Cart3DRefFrame				x					CoordRefFrame
ScalarRefFrame				x					CoordRefFrame
SphericalRefFrame				x					CoordRefFrame
CustomSpaceRefFrame	s	a		x	t			CustomSpaceRefFrame	
Cart1DSpaceRefFrame				x				CustomSpaceRefFrame	
Cart2DSpaceRefFrame				x				CustomSpaceRefFrame	
Cart3DSpaceRefFrame				x				CustomSpaceRefFrame	
SphericalSpaceRefFrame				x				CustomSpaceRefFrame	
CTransform2	s	a		x	t			CTransform2	
Transform2			n					CTransform2	
Transform2Matrix			n					CTransform2	
CTransform3	s	a		x	t			CTransform3	
Transform3			n					CTransform3	
Transform3Matrix			n					CTransform3	

ReferencePosition	s	a	x		ReferencePosition			
CoordRefPos			x		ReferencePosition			
BARYCENTER			x		ReferencePosition			
EMBARYCENTER			x		ReferencePosition			
GALACTIC_CENTER			x		ReferencePosition			
GEOCENTER			x		ReferencePosition			
HELIOCENTER			x		ReferencePosition			
JUPITER			x		ReferencePosition			
LOCAL_GROUP_CENTER			x		ReferencePosition			
LSR			x		ReferencePosition			
LSRD			x		ReferencePosition			
LSRK			x		ReferencePosition			
MARS			x		ReferencePosition			
MERCURY			x		ReferencePosition			
MOON			x		ReferencePosition			
NEPTUNE			x		ReferencePosition			
PLUTO			x		ReferencePosition			
RELOCATABLE			x		ReferencePosition			
SATURN			x		ReferencePosition			
TOPOCENTER			x		ReferencePosition			
URANUS			x		ReferencePosition			
VENUS			x		ReferencePosition			
UNKNOWNRefPos			x		ReferencePosition			
CoordFlavor	s	a	x		CoordFlavor			
CARTESIAN			x		CoordFlavor			
CYLINDRICAL			x		CoordFlavor			
HEALPIX			x		CoordFlavor			
POLAR			x		CoordFlavor			
SPHERICAL			x		CoordFlavor			
UNITSPHERE			x		CoordFlavor			
STRING			x		CoordFlavor			
Coords	s		n		Coords			
AstroCoords			n		Coords			
PixelCoords			n		Coords			
Coordinate	s		n		Coordinate			
Redshift			n		Coordinate			
Spectral			n		Coordinate			
GenCoordinate	s		n		Coordinate	GenCoordinate		
ScalarCoordinate			n				GenCoordinate	
StringCoordinate			n				GenCoordinate	
Vector2DCoordinate			n				GenCoordinate	
Vector3DCoordinate			n				GenCoordinate	
Position	s		n		Coordinate	Position		
Position1D			n				Position	
Position2D			n				Position	
Position3D			n				Position	
Velocity	s		n		Coordinate	Velocity		
Velocity1D			n				Velocity	
Velocity2D			n				Velocity	
Velocity3D			n				Velocity	
Pixel	s		n		Coordinate	Pixel		
Pixel1D			n				Pixel	
Pixel2D			n				Pixel	
Pixel3D			n				Pixel	
Time			n					
AbsoluteTime	s	a		x	t	AbsoluteTime		
ISOTime			n			AbsoluteTime		
JDTime			n			AbsoluteTime		
MJDTime			n			AbsoluteTime		
TimeOrigin				x		AbsoluteTime		
TimeOffset			n					
CoordValue	s	a		x	t	CoordValue		
Value			n			CoordValue		
CValue2	s	a		x	t	CoordValue	CValue2	
Curve2			n					CValue2
Value2			n					CValue2
CValue3	s	a		x	t	CoordValue	CValue3	
Curve3			n					CValue3
Value3			n					CValue3
CError	s	a		x	t	CError		
Error			n			CError		
CError2	s	a		x	t	CError	CError2	
Error2			n					CError2
Error2Matrix			n					CError2
Error2Radius			n					CError2
CError3	s	a		x	t	CError	CError3	

Error3				n					CError3
Error3Matrix				n					CError3
Error3Radius				n					CError3
CResolution	s	a			x	t	CResolution		
Resolution				n				CResolution	
CResolution2	s	a			x	t	CResolution	CResolution2	
Resolution2				n					CResolution2
Resolution2Matrix				n					CResolution2
Resolution2Radius				n					CResolution2
CResolution3	s	a			x	t	CResolution	CResolution3	
Resolution3				n					CResolution3
Resolution3Matrix				n					CResolution3
Resolution3Radius				n					CResolution3
CSize	s	a			x	t	CSize		
Size				n				CSize	
CSize2	s	a			x	t	CSize	CSize2	
Size2				n					CSize2
Size2Matrix				n					CSize2
Size2Radius				n					CSize2
CSize3	s	a			x	t	CSize	CSize3	
Size3				n					CSize3
Size3Matrix				n					CSize3
Size3Radius				n					CSize3
CPixSize	s	a			x	t	CPixSize		
PixSize				n				CPixSize	
CPixSize2	s	a			x	t	CPixSize	CPixSize2	
PixSize2				n					CPixSize2
PixSize2Matrix				n					CPixSize2
CPixSize3	s	a			x	t	CPixSize	CPixSize3	
PixSize3				n					CPixSize3
PixSize3Matrix				n					CPixSize3
CoordArea	s			n			CoordArea		
AstroCoordArea				n				CoordArea	
PixelCoordArea				n				CoordArea	
CoordInterval	s			n			CoordInterval		
Coord2VecInterval				n				CoordInterval	
Coord3VecInterval				n				CoordInterval	
CoordScalarInterval				n				CoordInterval	
PositionInterval	s			n			PositionInterval		
PositionScalarInterval				n				PositionInterval	
Position2VecInterval				n				PositionInterval	
Position3VecInterval				n				PositionInterval	
RegionFile				n				PositionInterval	
Sphere				n				PositionInterval	
Region	s			n			PositionInterval	Region	
AllSky				n					Region
Box				n					Region
Circle				n					Region
Convex				n					Region
ConvexHull				n					Region
Difference				n					Region
Ellipse				n					Region
Intersection				n					Region
Negation				n					Region
Polygon				n					Region
Sector				n					Region
SkyIndex				n					Region
Union				n					Region
VelocityInterval	s			n			VelocityInterval		
Velocity2VecInterval				n				VelocityInterval	
Velocity3VecInterval				n				VelocityInterval	
VelocityScalarInterval				n				VelocityInterval	
VelocitySphere				n				VelocityInterval	
PixelCoordInterval	s			n			PixelCoordInterval		
PixelCoord2VecInterval				n				PixelCoordInterval	
PixelCoord3VecInterval				n				PixelCoordInterval	
PixelCoordScalarInterval				n				PixelCoordInterval	