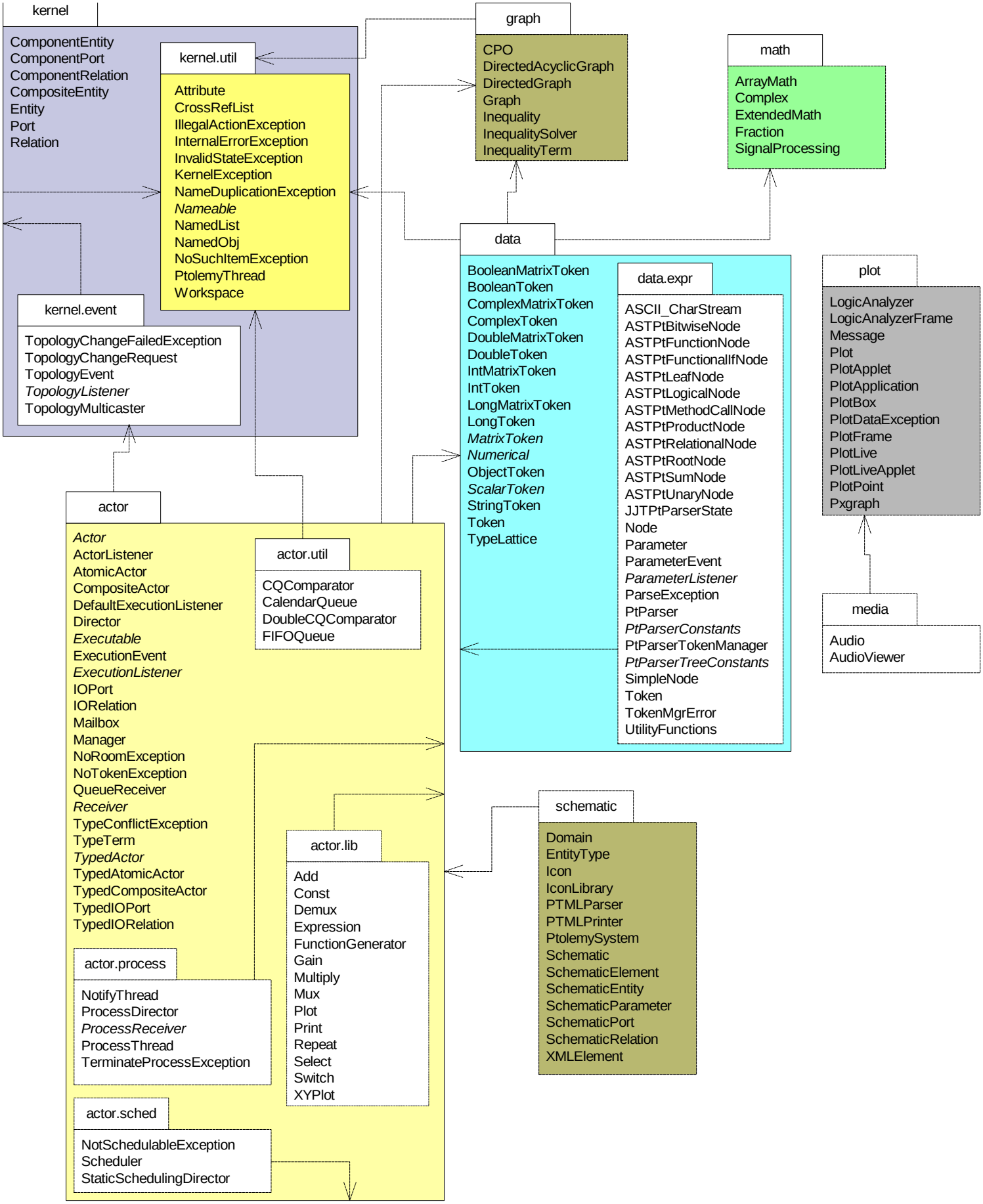
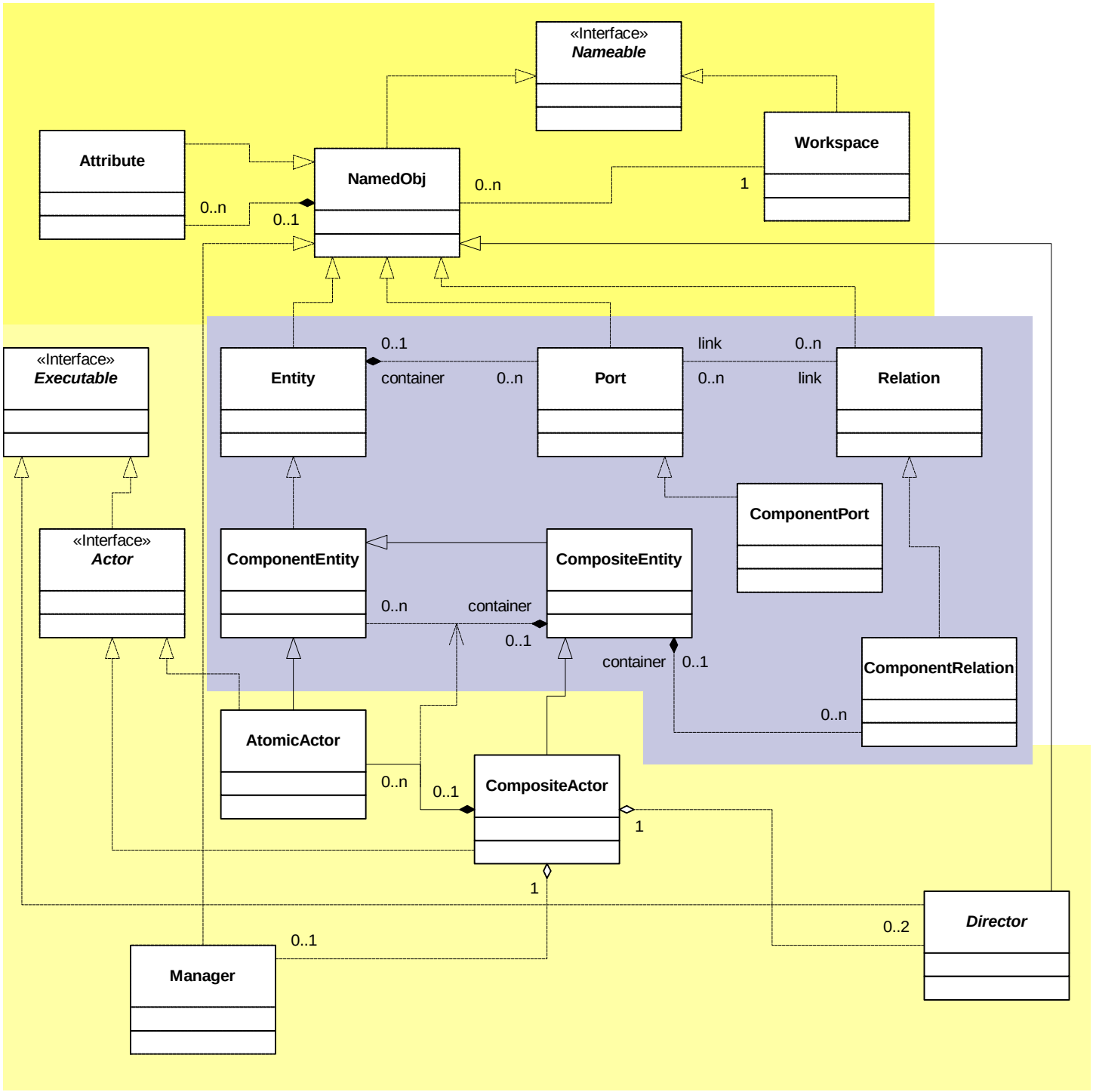
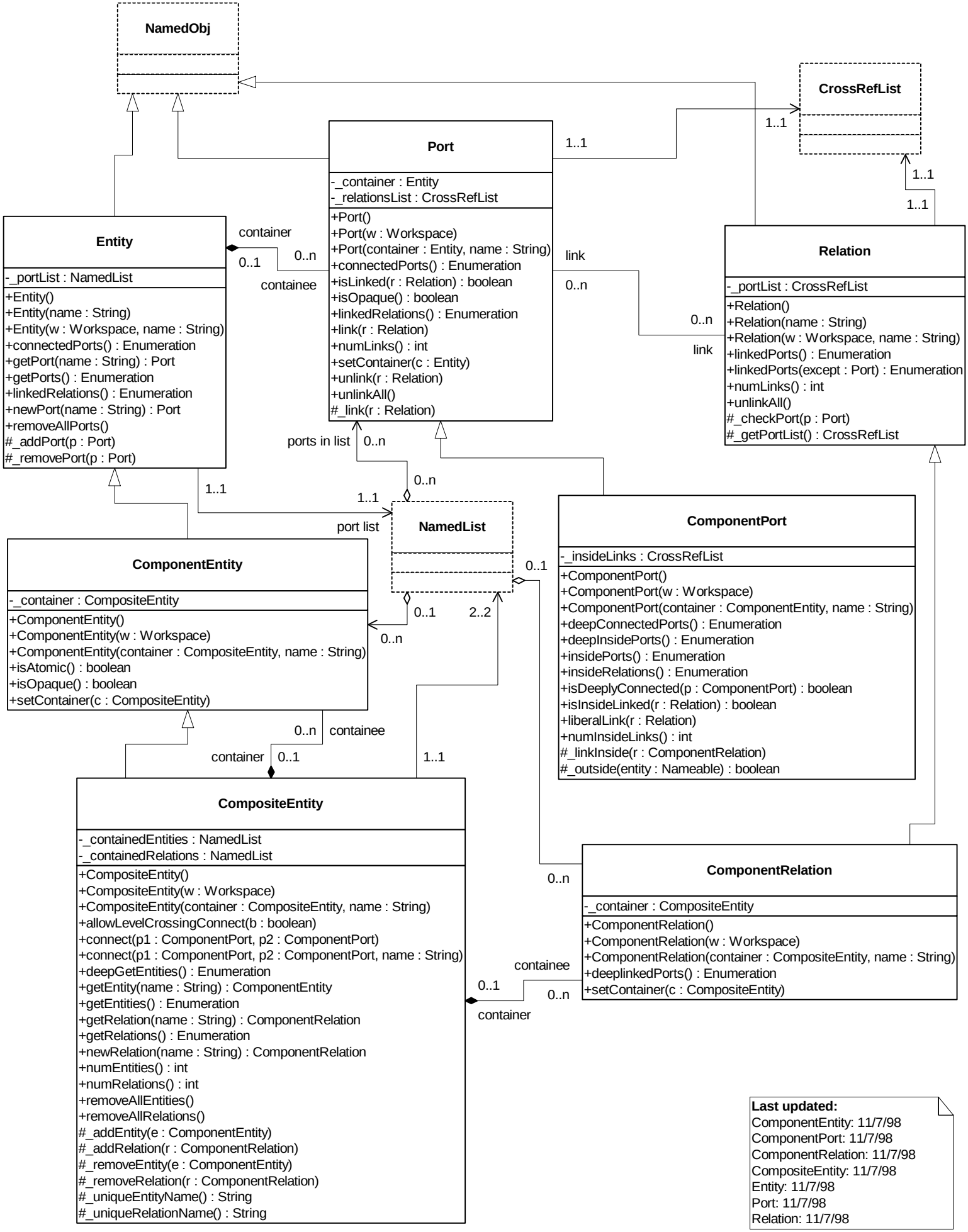

kernel
ComponentEntity
ComponentPort
ComponentRelation
CompositeEntity
Entity
Port
Relation
kernel.util
Attribute
CrossRefList
IllegalActionException
InternalErrorException
InvalidStateException
KernelException
NameDuplicationException
Nameable
NamedList
NamedObj
NoSuchItemException
PtolemyThread
Workspace
kernel.event
TopologyChangeFailedException
TopologyChangeRequest
TopologyEvent
TopologyListener
TopologyMulticaster
graph
CPO
DirectedAcyclicGraph
DirectedGraph
Graph
Inequality
InequalitySolver
InequalityTerm
math
ArrayMath
Complex
ExtendedMath
Fraction
SignalProcessing
data
BooleanMatrixToken
BooleanToken
ComplexMatrixToken
ComplexToken
DoubleMatrixToken
DoubleToken
IntMatrixToken
IntToken
LongMatrixToken
LongToken
MatrixToken
Numerical
ObjectToken
ScalarToken
StringToken
Token
TypeLattice
data.expr
ASCII_CharStream
ASTPtBitwiseNode
ASTPtFunctionNode
ASTPtFunctionalIfNode
ASTPtLeafNode
ASTPtLogicalNode
ASTPtMethodCallNode
ASTPtProductNode
ASTPtRelationalNode
ASTPtRootNode
ASTPtSumNode
ASTPtUnaryNode
JJTPtParserState
Node
Parameter
ParameterEvent
ParameterListener
ParseException
PtParser
PtParserConstants
PtParserTokenManager
PtParserTreeConstants
SimpleNode
Token
TokenMgrError
UtilityFunctions
plot
LogicAnalyzer
LogicAnalyzerFrame
Message
Plot
PlotApplet
PlotApplication
PlotBox
PlotDataException
PlotFrame
PlotLive
PlotLiveApplet
PlotPoint
Pxgraph
media
Audio
AudioViewer
actor
Actor
ActorListener
AtomicActor
CompositeActor
DefaultExecutionListener
Director
Executable
ExecutionEvent
ExecutionListener
IOPort
IORelation
Mailbox
Manager
NoRoomException
NoTokenException
QueueReceiver
Receiver
TypeConflictException
TypeTerm
TypedActor
TypedAtomicActor
TypedCompositeActor
TypedIOPort
TypedIORelation
actor.util
CQComparator
CalendarQueue
DoubleCQComparator
FIFOQueue
actor.process
NotifyThread
ProcessDirector
ProcessReceiver
ProcessThread
TerminateProcessException
actor.sched
NotSchedulableException
Scheduler
StaticSchedulingDirector
actor.lib
Add
Const
Demux
Expression
FunctionGenerator
Gain
Multiply
Mux
Plot
Print
Repeat
Select
Switch
XYPlot
schematic
Domain
EntityType
Icon
IconLibrary
PTMLParser
PTMLPrinter
PtolemySystem
Schematic
SchematicElement
SchematicEntity
SchematicParameter
SchematicPort
SchematicRelation
XMLElement

Ptolemy II


«Interface»
Nameable
Attribute
NamedObj
Workspace
0..n
0..1
0..n
1
«Interface»
Executable
Entity
0..1
container
0..n
Port
link
0..n
0..n
link
Relation
ComponentPort
«Interface»
Actor
ComponentEntity
CompositeEntity
0..n
container
0..1
container
0..1
ComponentRelation
0..n
AtomicActor
0..n
0..1
CompositeActor
1
1
Director
0..2
0..1
Manager

Ptolemy II


NamedObj
CrossRefList
Port
-_container : Entity
-_relationsList : CrossRefList
+Port()
+Port(w : Workspace)
+Port(container : Entity, name : String)
+connectedPorts() : Enumeration
+isLinked(r : Relation) : boolean
+isOpaque() : boolean
+linkedRelations() : Enumeration
+link(r : Relation)
+numLinks() : int
+setContainer(c : Entity)
+unlink(r : Relation)
+unlinkAll()
#_link(r : Relation)
Entity
-_portList : NamedList
+Entity()
+Entity(name : String)
+Entity(w : Workspace, name : String)
+connectedPorts() : Enumeration
+getPort(name : String) : Port
+getPorts() : Enumeration
+linkedRelations() : Enumeration
+newPort(name : String) : Port
+removeAllPorts()
#_addPort(p : Port)
#_removePort(p : Port)
Relation
-_portList : CrossRefList
+Relation()
+Relation(name : String)
+Relation(w : Workspace, name : String)
+linkedPorts() : Enumeration
+linkedPorts(except : Port) : Enumeration
+numLinks() : int
+unlinkAll()
#_checkPort(p : Port)
#_getPortList() : CrossRefList
NamedList
ComponentPort
-_insideLinks : CrossRefList
+ComponentPort()
+ComponentPort(w : Workspace)
+ComponentPort(container : ComponentEntity, name : String)
+deepConnectedPorts() : Enumeration
+deepInsidePorts() : Enumeration
+insidePorts() : Enumeration
+insideRelations() : Enumeration
+isDeeplyConnected(p : ComponentPort) : boolean
+isInsideLinked(r : Relation) : boolean
+liberalLink(r : Relation)
+numInsideLinks() : int
#_linkInside(r : ComponentRelation)
#_outside(entity : Nameable) : boolean
ComponentEntity
-_container : CompositeEntity
+ComponentEntity()
+ComponentEntity(w : Workspace)
+ComponentEntity(container : CompositeEntity, name : String)
+isAtomic() : boolean
+isOpaque() : boolean
+setContainer(c : CompositeEntity)
CompositeEntity
-_containedEntities : NamedList
-_containedRelations : NamedList
+CompositeEntity()
+CompositeEntity(w : Workspace)
+CompositeEntity(container : CompositeEntity, name : String)
+allowLevelCrossingConnect(b : boolean)
+connect(p1 : ComponentPort, p2 : ComponentPort)
+connect(p1 : ComponentPort, p2 : ComponentPort, name : String)
+deepGetEntities() : Enumeration
+getEntity(name : String) : ComponentEntity
+getEntities() : Enumeration
+getRelation(name : String) : ComponentRelation
+getRelations() : Enumeration
+newRelation(name : String) : ComponentRelation
+numEntities() : int
+numRelations() : int
+removeAllEntities()
+removeAllRelations()
#_addEntity(e : ComponentEntity)
#_addRelation(r : ComponentRelation)
#_removeEntity(e : ComponentEntity)
#_removeRelation(r : ComponentRelation)
#_uniqueEntityName() : String
#_uniqueRelationName() : String
ComponentRelation
-_container : CompositeEntity
+ComponentRelation()
+ComponentRelation(w : Workspace)
+ComponentRelation(container : CompositeEntity, name : String)
+deeplinkedPorts() : Enumeration
+setContainer(c : CompositeEntity)
container
0..1
0..n
containee
1..1
link
ports in list
port list
2..2
Last updated:
ComponentEntity: 11/7/98
ComponentPort: 11/7/98
ComponentRelation: 11/7/98
CompositeEntity: 11/7/98
Entity: 11/7/98
Port: 11/7/98
Relation: 11/7/98

Ptolemy II