

Schema documentation for spase-sim-1_0_0.xsd

october 31, 2019

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Namespace: "http://www.spase-group.org/data/schema"

Schema(s)

Main schema spase-sim-1_0_0.xsd

Namespace	http://www.spase-group.org/data/schema
Properties	attribute form default: unqualified
	element form default: qualified
	version: 1.0.0
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element(s)

Element spase:Spase

Namespace	http://www.spase-group.org/data/schema
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Diagram	<pre> classDiagram class Spase { @lang xsd:string Version } class Version { Catalog } class Catalog { DisplayData NumericalData Document Granule Instrument } Spase "1" -- "*" Version Version "*" --> Catalog </pre>
Type	spase:Spase
Properties	content: complex
Model	spase:Version , (spase:Catalog spase:DisplayData spase:NumericalData spase:Document spase:Granule spase:Instrument spase:Observatory spase:Person spase:Registry spase:Repository spase:Service spase:Annotation spase:SimulationModel spase:SimulationRun spase:NumericalOutput spase:DisplayOutput)
Children	spase:Annotation, spase:Catalog, spase:DisplayData, spase:DisplayOutput, spase:Document, spase:Granule, spase:Instrument, spase:NumericalData, spase:NumericalOutput, spase:Observatory, spase:Person, spase:Registry, spase:Repository, spase:Service, spase:SimulationModel, spase:SimulationRun, spase:Version
Instance	<pre> <spase:Spase lang="en" xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Version>{1,1}</spase:Version> <spase:Catalog>{1,1}</spase:Catalog> <spase:DisplayData>{1,1}</spase:DisplayData> <spase:NumericalData>{1,1}</spase:NumericalData> </pre>

	<pre> <spase:Document>{1,1}</spase:Document> <spase:Granule>{1,1}</spase:Granule> <spase:Instrument>{1,1}</spase:Instrument> <spase:Observatory>{1,1}</spase:Observatory> <spase:Person>{1,1}</spase:Person> <spase:Registry>{1,1}</spase:Registry> <spase:Repository>{1,1}</spase:Repository> <spase:Service>{1,1}</spase:Service> <spase:Annotation>{1,1}</spase:Annotation> <spase:SimulationModel>{1,1}</spase:SimulationModel> <spase:SimulationRun>{1,1}</spase:SimulationRun> <spase:NumericalOutput>{1,1}</spase:NumericalOutput> <spase:DisplayOutput>{1,1}</spase:DisplayOutput> </spase:Spase> </pre>								
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Default</th><th>Use</th></tr> </thead> <tbody> <tr> <td>lang</td><td>xsd:string</td><td>en</td><td>optional</td></tr> </tbody> </table>	QName	Type	Default	Use	lang	xsd:string	en	optional
QName	Type	Default	Use						
lang	xsd:string	en	optional						
Source	<xsd:element name="Spase" type="spase:Spase" />								
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd								

Element spase:Spase / spase:Version

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> classDiagram class Version class spaseVersion { <<Version>> } Version < -- spaseVersion </pre>						
Type	spase:Version						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Facets	enumeration 1.0.0						
Source	<xsd:element name="Version" type="spase:Version" minOccurs="1" maxOccurs="1" />						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:Spase / spase:Catalog

Namespace	http://www.spase-group.org/data/schema		
Diagram	<pre> classDiagram class Catalog class spaseCatalog { <<Catalog>> } Catalog < -- spaseCatalog </pre>		
Type	Catalog		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		
Source	<xsd:element name="Catalog" type="spase:Catalog" />		
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd		

Element spase:Spase / spase:DisplayData

Namespace	http://www.spase-group.org/data/schema		
Diagram	<pre> classDiagram class DisplayData class spaseDisplayData { <<DisplayData>> } DisplayData < -- spaseDisplayData </pre>		
Type	DisplayData		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		
Source	<xsd:element name="DisplayData" type="spase:DisplayData" />		
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd		

Element spase:Spase / spase:NumericalData

Namespace	http://www.spase-group.org/data/schema
-----------	--

Diagram	
Type	NumericalData
Properties	content: simple
Source	<xsd:element name="NumericalData" type="spase:NumericalData"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Spase / spase:Document

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Document
Properties	content: simple
Source	<xsd:element name="Document" type="spase:Document"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Spase / spase:Granule

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:Granule
Properties	content: complex
Model	spase:ResourceID , spase:ReleaseDate , spase:ExpirationDate{0,1} , spase:ParentID , spase:PriorID* , (spase:StartDate spase:RegionBegin) , (spase:StopDate spase:RegionEnd) , spase:Source+
Children	spase:ExpirationDate, spase:ParentID, spase:PriorID, spase:RegionBegin, spase:RegionEnd, spase:ReleaseDate, spase:ResourceID, spase:Source, spase:StartDate, spase:StopDate
Instance	<pre> <spase:Granule xmlns:spase="http://www.spase-group.org/data/schema"> <spase:ResourceID>{1,1}</spase:ResourceID> <spase:ReleaseDate>{1,1}</spase:ReleaseDate> <spase:ExpirationDate>{0,1}</spase:ExpirationDate> </pre>

	<pre><spase:ParentID>{1,1}</spase:ParentID> <spase:PriorID>{0,unbounded}</spase:PriorID> <spase:StartDate>{1,1}</spase:StartDate> <spase:RegionBegin>{1,1}</spase:RegionBegin> <spase:StopDate>{1,1}</spase:StopDate> <spase:RegionEnd>{1,1}</spase:RegionEnd> <spase:Source>{1,unbounded}</spase:Source> </spase:Granule></pre>
Source	<code><xsd:element name="Granule" type="spase:Granule"/></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

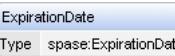
Element spase:Granule / spase:ResourceID

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ResourceID						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xsd:element name="ResourceID" type="spase:ResourceID" minOccurs="1" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:Granule / spase:ReleaseDate

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ReleaseDate						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xsd:element name="ReleaseDate" type="spase:ReleaseDate" minOccurs="1" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:Granule / spase:ExpirationDate

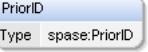
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ExpirationDate						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="ExpirationDate" type="spase:ExpirationDate" minOccurs="0" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:Granule / spase:ParentID

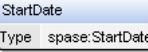
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	ParentID

Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xsd:element name="ParentID" type="spase:ParentID" minOccurs="1" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

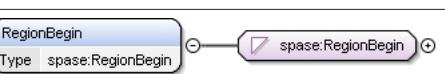
Element spase:Granule / spase:PriorID

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	PriorID
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="PriorID" type="spase:PriorID" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

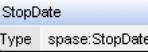
Element spase:Granule / spase:StartDate

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	StartDate
Properties	content: simple
Source	<xsd:element name="StartDate" type="spase:StartDate"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Granule / spase:RegionBegin

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:RegionBegin
Type hierarchy	<ul style="list-style-type: none"> • xsd:float • spase:typeFloatSequence • spase:RegionBegin
Properties	content: simple
Source	<xsd:element name="RegionBegin" type="spase:RegionBegin"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Granule / spase:StopDate

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	StopDate
Properties	content: simple
Source	<xsd:element name="StopDate" type="spase:StopDate"/>

Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd
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Element spase:Granule / spase:RegionEnd

Namespace	http://www.spase-group.org/data/schema
Diagram	<pre> graph LR RegionEnd[RegionEnd Type spase:RegionEnd] --> spaseRegionEnd[spase:RegionEnd] </pre>
Type	spase:RegionEnd
Type hierarchy	<ul style="list-style-type: none"> xsd:float spase:typeFloatSequence spase:RegionEnd
Properties	content: simple
Source	<xsd:element name="RegionEnd" type="spase:RegionEnd" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Granule / spase:Source

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> graph LR Source[Source Type spase:Source] </pre>						
Type	Source						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	unbounded
content:	simple						
minOccurs:	1						
maxOccurs:	unbounded						
Source	<xsd:element name="Source" type="spase:Source" minOccurs="1" maxOccurs="unbounded" />						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:Spase / spase:Instrument

Namespace	http://www.spase-group.org/data/schema
Diagram	<pre> graph LR Instrument[Instrument Type spase:Instrument] </pre>
Type	Instrument
Properties	content: simple
Source	<xsd:element name="Instrument" type="spase:Instrument" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Spase / spase:Observatory

Namespace	http://www.spase-group.org/data/schema
Diagram	<pre> graph LR Observatory[Observatory Type spase:Observatory] </pre>
Type	Observatory
Properties	content: simple
Source	<xsd:element name="Observatory" type="spase:Observatory" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Spase / spase:Person

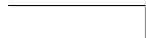


Diagram	
Type	Person
Properties	content: simple
Source	<xsd:element name="Person" type="spase:Person" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Spase / spase:Registry

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Registry
Properties	content: simple
Source	<xsd:element name="Registry" type="spase:Registry" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Spase / spase:Repository

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Repository
Properties	content: simple
Source	<xsd:element name="Repository" type="spase:Repository" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Spase / spase:Service

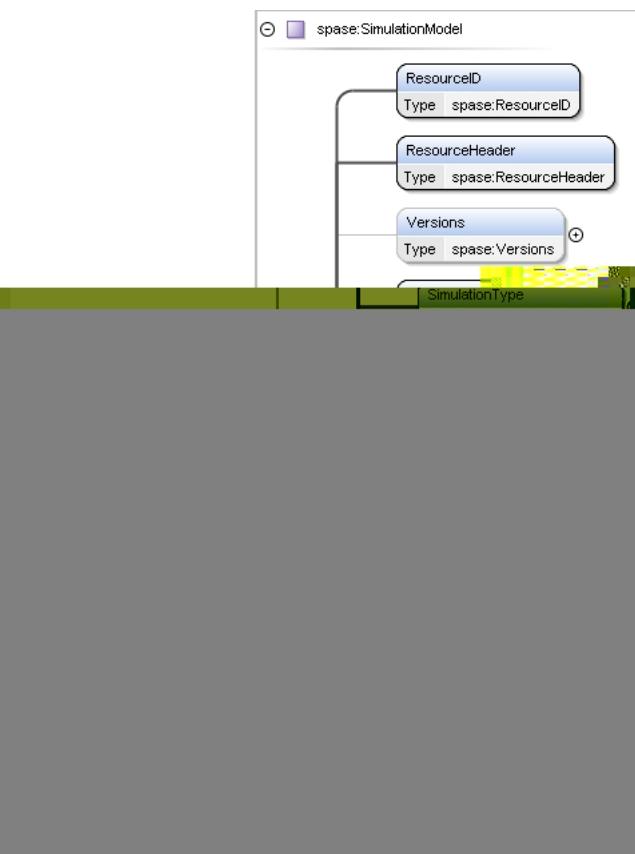
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Service
Properties	content: simple
Source	<xsd:element name="Service" type="spase:Service" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Spase / spase:Annotation

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Annotation
Properties	content: simple
Source	<xsd:element name="Annotation" type="spase:Annotation" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Spase / spase:SimulationModel

Namespace	http://www.spase-group.org/data/schema
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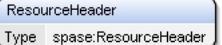
Diagram	
Type	spase:SimulationModel
Properties	content: complex
Model	spase:ResourceID , spase:ResourceHeader , spase:Versions{0,1} , spase:SimulationType , spase:CodeLanguage{0,1} , spase:TemporalDependence{0,1} , spase:SpatialDescription{0,1} , spase:SimulatedRegion* , spase:InputProperties{0,1} , spase:OutputParameters{0,1} , spase:ModelURL{0,1}
Children	spase:CodeLanguage, spase:InputProperties, spase:ModelURL, spase:OutputParameters, spase:ResourceHeader, spase:ResourceID, spase:SimulatedRegion, spase:SimulationType, spase:SpatialDescription, spase:TemporalDependence, spase:Versions
Instance	<pre><spase:SimulationModel xmlns:spase="http://www.spase-group.org/data/schema"> <spase:ResourceID>{1,1}</spase:ResourceID> <spase:ResourceHeader>{1,1}</spase:ResourceHeader> <spase:Versions>{0,1}</spase:Versions> <spase:SimulationType>{1,1}</spase:SimulationType> <spase:CodeLanguage>{0,1}</spase:CodeLanguage> <spase:TemporalDependence>{0,1}</spase:TemporalDependence> <spase:SpatialDescription>{0,1}</spase:SpatialDescription> <spase:SimulatedRegion>{0,unbounded}</spase:SimulatedRegion> <spase:InputProperties>{0,1}</spase:InputProperties> <spase:OutputParameters>{0,1}</spase:OutputParameters> <spase:ModelURL>{0,1}</spase:ModelURL> </spase:SimulationModel></pre>
Source	<code><xsd:element name="SimulationModel" type="spase:SimulationModel"/></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationModel / spase:ResourceID

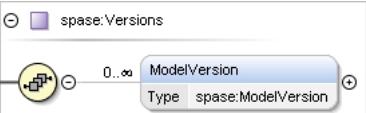
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ResourceID						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">simple</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Source	<code><xsd:element name="ResourceID" type="spase:ResourceID" minOccurs="1" maxOccurs="1"/></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationModel / spase:ResourceHeader

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ResourceHeader						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xsd:element name="ResourceHeader" type="spase:ResourceHeader" minOccurs="1" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationModel / spase:Versions

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:Versions						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	spase:ModelVersion*						
Children	spase:ModelVersion						
Instance	<code><spase:Versions xmlns:spase="http://www.spase-group.org/data/schema"> <spase:ModelVersion>{0,unbounded}</spase:ModelVersion> </spase:Versions></code>						
Source	<code><xsd:element name="Versions" type="spase:Versions" minOccurs="0" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:Versions / spase:ModelVersion

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:ModelVersion						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						

Model	spase:VersionTag{0,1} , spase:ReleaseDate , spase:Description{0,1} , spase:Caveats{0,1}
Children	spase:Caveats, spase:Description, spase:ReleaseDate, spase:VersionTag
Instance	<pre><spase:ModelVersion xmlns:spase="http://www.spase-group.org/data/schema"> <spase:VersionTag>{0,1}</spase:VersionTag> <spase:ReleaseDate>{1,1}</spase:ReleaseDate> <spase:Description>{0,1}</spase:Description> <spase:Caveats>{0,1}</spase:Caveats> </spase:ModelVersion></pre>
Source	<code><xsd:element name="ModelVersion" type="spase:ModelVersion" minOccurs="0" maxOccurs="unbounded" /></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:ModelVersion / spase:VersionTag

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> graph LR VersionTag[VersionTag] --> spaseVersionTag[spase:VersionTag] subgraph Legend [] Type[Type] spaseVersionTag[spase:VersionTag] end </pre>						
Type	spase:VersionTag						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="VersionTag" type="spase:VersionTag" minOccurs="0" maxOccurs="1" /></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:ModelVersion / spase:ReleaseDate

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> graph LR ReleaseDate[ReleaseDate] --> spaseReleaseDate[spase:ReleaseDate] subgraph Legend [] Type[Type] spaseReleaseDate[spase:ReleaseDate] end </pre>						
Type	ReleaseDate						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xsd:element name="ReleaseDate" type="spase:ReleaseDate" minOccurs="1" maxOccurs="1" /></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:ModelVersion / spase:Description

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> graph LR Description[Description] --> spaseDescription[spase:Description] subgraph Legend [] Type[Type] spaseDescription[spase:Description] end </pre>						
Type	Description						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1" /></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:ModelVersion / spase:Caveats

Namespace	http://www.spase-group.org/data/schema
Diagram	<pre> graph LR Caveats[Caveats] --> spaseCaveats[spase:Caveats] subgraph Legend [] Type[Type] spaseCaveats[spase:Caveats] end </pre>

Type	Caveats
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationModel / spase:SimulationType

Namespace	http://www.spase-group.org/data/schema		
Diagram	<pre> classDiagram class SimulationType class spase:SimulationType { <<SimulationType>> } SimulationType "0..1" -- "1..1" spase:SimulationType </pre>		
Type	spase:SimulationType		
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>		
Facets	enumeration	Hybrid	A numerical scheme simulating ions as particles and electrons as a fluid.
	enumeration	MHD	
	enumeration	PIC	A numerical scheme simulating ions and electrons as macroparticles.
	enumeration	Paraboloid	A shape generated by the rotation of a parabola around its axis of symmetry.
	enumeration	Test_Particle	
Source	<xsd:element name="SimulationType" type="spase:SimulationType" minOccurs="1" maxOccurs="1"/>		
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd		

Element spase:SimulationModel / spase:CodeLanguage

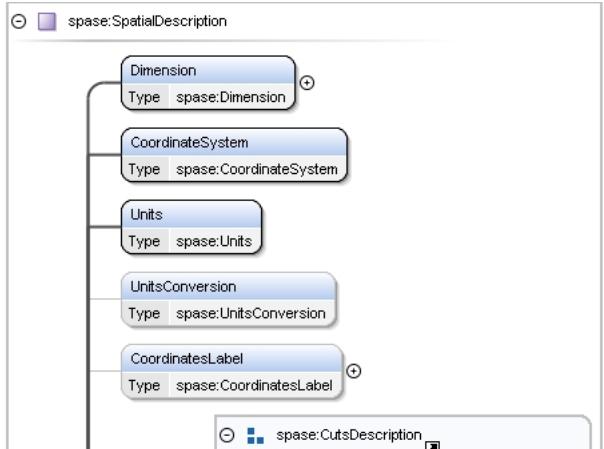
Namespace	http://www.spase-group.org/data/schema		
Diagram	<pre> classDiagram class CodeLanguage class spase:CodeLanguage { <<CodeLanguage>> } CodeLanguage "0..1" -- "1..1" spase:CodeLanguage </pre>		
Type	spase:CodeLanguage		
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>		
Source	<xsd:element name="CodeLanguage" type="spase:CodeLanguage" minOccurs="0" maxOccurs="1"/>		
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd		

Element spase:SimulationModel / spase:TemporalDependence

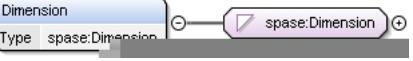
Namespace	http://www.spase-group.org/data/schema		
Diagram	<pre> classDiagram class TemporalDependence class spase:YN { <<TemporalDependence>> } TemporalDependence "0..1" -- "1..1" spase:YN </pre>		
Type	spase:YN		
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>		
Facets	enumeration	No	

	enumeration	Yes
Source	<xsd:element name="TemporalDependence" type="spase:YN" minOccurs="0" maxOccurs="1"/>	
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd	

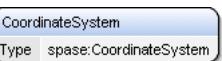
Element spase:SimulationModel / spase:SpatialDescription

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:SpatialDescription						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	spase:Dimension , spase:CoordinateSystem , spase:Units , spase:UnitsConversion{0,1} , spase:CoordinatesLabel{0,1} , ((spase:PlaneNormalVector , spase:PlanePoint) (spase:RegionBegin , spase:RegionEnd)) , spase:Step{0,1}						
Children	spase:CoordinateSystem, spase:CoordinatesLabel, spase:Dimension, spase:PlaneNormalVector, spase:PlanePoint, spase:RegionBegin, spase:RegionEnd, spase:Step, spase:Units, spase:UnitsConversion						
Instance	<spase:SpatialDescription xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Dimension>{1,1}</spase:Dimension> <spase:CoordinateSystem>{1,1}</spase:CoordinateSystem> <spase:Units>{1,1}</spase:Units> <spase:UnitsConversion>{0,1}</spase:UnitsConversion> <spase:CoordinatesLabel>{0,1}</spase:CoordinatesLabel> <spase:PlaneNormalVector>{1,1}</spase:PlaneNormalVector> <spase:PlanePoint>{1,1}</spase:PlanePoint> <spase:RegionBegin>{1,1}</spase:RegionBegin> <spase:RegionEnd>{1,1}</spase:RegionEnd> <spase:Step>{0,1}</spase:Step> </spase:SpatialDescription>						
Source	<xsd:element name="SpatialDescription" type="spase:SpatialDescription" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SpatialDescription / spase:Dimension

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:Dimension						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<xsd:element name="Dimension" type="spase:Dimension" minOccurs="1" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SpatialDescription / spase:CoordinateSystem

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	CoordinateSystem						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<xsd:element name="CoordinateSystem" type="spase:CoordinateSystem" minOccurs="1" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SpatialDescription / spase:Units

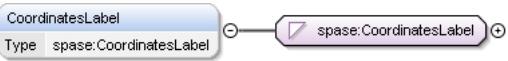
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	Units						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<xsd:element name="Units" type="spase:Units" minOccurs="1" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SpatialDescription / spase:UnitsConversion

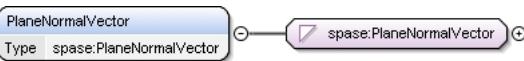
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	UnitsConversion						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="UnitsConversion" type="spase:UnitsConversion" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SpatialDescription / spase:CoordinatesLabel

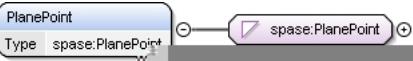
Namespace	http://www.spase-group.org/data/schema
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Diagram	
Type	spase:CoordinatesLabel
Type hierarchy	<ul style="list-style-type: none"> xsd:string spase:typeStringSequence spase:CoordinatesLabel
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="CoordinatesLabel" type="spase:CoordinatesLabel" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

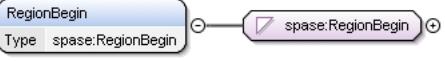
Element spase:CutsDescription / spase:PlaneNormalVector

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:PlaneNormalVector
Type hierarchy	<ul style="list-style-type: none"> xsd:float spase:typeFloatSequence spase:PlaneNormalVector
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="PlaneNormalVector" type="spase:PlaneNormalVector" minOccurs="1" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:CutsDescription / spase:PlanePoint

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:PlanePoint
Type hierarchy	<ul style="list-style-type: none"> xsd:float spase:typeFloatSequence spase:PlanePoint
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="PlanePoint" type="spase:PlanePoint" minOccurs="1" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:CubesDescription / spase:RegionBegin

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:RegionBegin

Type hierarchy	<ul style="list-style-type: none"> xsd:float spase:typeFloatSequence spase:RegionBegin
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xsd:element name="RegionBegin" type="spase:RegionBegin" minOccurs="1" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:CubesDescription / spase:RegionEnd

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:RegionEnd
Type hierarchy	<ul style="list-style-type: none"> xsd:float spase:typeFloatSequence spase:RegionEnd
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xsd:element name="RegionEnd" type="spase:RegionEnd" minOccurs="1" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SpatialDescription / spase:Step

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:Step
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="Step" type="spase:Step" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

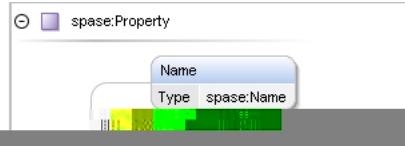
Element spase:SimulationModel / spase:SimulatedRegion

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:SimulatedRegion
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationModel / spase:InputProperties

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:InputProperties						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	spase:Property*						
Children	spase:Property						
Instance	<pre><spase:InputProperties xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Property>{0,unbounded}</spase:Property> </spase:InputProperties></pre>						
Source	<pre><xsd:element name="InputProperties" type="spase:InputProperties" minOccurs="0" maxOccurs="1"/></pre>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:InputProperties / spase:Property

Namespace	http://www.spase-group.org/data/schema
Diagram	

Type	spase:Property
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Model	spase:Name{0,1} , spase:Description{0,1} , spase:Caveats{0,1} , spase:PropertyQuantity , spase:Qualifier* , spase:Units{0,1} , spase:UnitsConversion{0,1} , spase:PropertyLabel{0,1} , spase:PropertyValue{0,1} , spase:PropertyTableURL{0,1} , spase:ValidMin{0,1} , spase:ValidMax{0,1} , spase:PropertyModel{0,1} , spase:ModelURL{0,1}
Children	spase:Caveats, spase:Description, spase:ModelURL, spase:Name, spase:PropertyLabel, spase:PropertyModel, spase:PropertyQuantity, spase:PropertyTableURL, spase:PropertyValue, spase:Qualifier, spase:Units, spase:UnitsConversion, spase:ValidMax, spase:ValidMin
Instance	<pre><spase:Property xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Name>{0,1}</spase:Name> <spase:Description>{0,1}</spase:Description> <spase:Caveats>{0,1}</spase:Caveats> <spase:PropertyQuantity>{1,1}</spase:PropertyQuantity> <spase:Qualifier>{0,unbounded}</spase:Qualifier> <spase:Units>{0,1}</spase:Units> <spase:UnitsConversion>{0,1}</spase:UnitsConversion> <spase:PropertyLabel>{0,1}</spase:PropertyLabel> <spase:PropertyValue>{0,1}</spase:PropertyValue> <spase:PropertyTableURL>{0,1}</spase:PropertyTableURL> <spase:ValidMin>{0,1}</spase:ValidMin> <spase:ValidMax>{0,1}</spase:ValidMax> <spase:PropertyModel>{0,1}</spase:PropertyModel> <spase:ModelURL>{0,1}</spase:ModelURL> </spase:Property></pre>
Source	<xsd:element name="Property" type="spase:Property" minOccurs="0" maxOccurs="unbounded" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Property / spase:Name

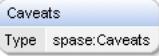
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Name
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="Name" type="spase:Name" minOccurs="0" maxOccurs="1" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Property / spase:Description

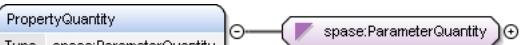
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Description
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Property / spase:Caveats

Namespace	http://www.spase-group.org/data/schema
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Diagram	
Type	Caveats
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

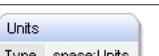
Element spase:Property / spase:PropertyQuantity

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:ParameterQuantity
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xsd:element name="PropertyQuantity" type="spase:ParameterQuantity" minOccurs="1" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Property / spase:Qualifier

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Qualifier
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="Qualifier" type="spase:Qualifier" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Property / spase:Units

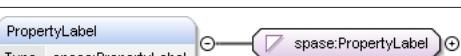
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Units
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="Units" type="spase:Units" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Property / spase:UnitsConversion

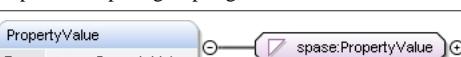
Namespace	http://www.spase-group.org/data/schema
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Diagram	
Type	UnitsConversion
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="UnitsConversion" type="spase:UnitsConversion" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Property / spase:PropertyLabel

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:PropertyLabel
Type hierarchy	<ul style="list-style-type: none"> xsd:string spase:typeStringSequence spase:PropertyLabel
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="PropertyLabel" type="spase:PropertyLabel" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Property / spase:PropertyValue

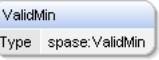
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:PropertyValue
Type hierarchy	<ul style="list-style-type: none"> xsd:string spase:typeStringSequence spase:PropertyValue
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="PropertyValue" type="spase:PropertyValue" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Property / spase:PropertyTableURL

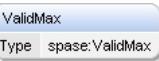
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:PropertyTableURL
Properties	content: simple

	minOccurs:	0
	maxOccurs:	1
Source	<xsd:element name="PropertyTableURL" type="spase:PropertyTableURL" minOccurs="0" maxOccurs="1"/>	
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd	

Element spase:Property / spase:ValidMin

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ValidMin						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="ValidMin" type="spase:ValidMin" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

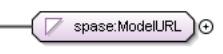
Element spase:Property / spase:ValidMax

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ValidMax						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="ValidMax" type="spase:ValidMax" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:Property / spase:PropertyModel

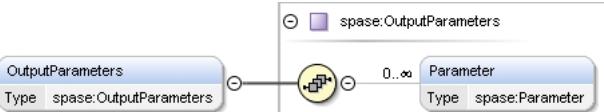
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:PropertyModel						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="PropertyModel" type="spase:PropertyModel" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:Property / spase:ModelURL

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:ModelURL

Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="ModelURL" type="spase:ModelURL" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

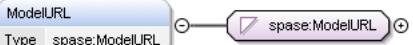
Element spase:SimulationModel / spase:OutputParameters

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:OutputParameters
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	spase:Parameter*
Children	spase:Parameter
Instance	<spase:OutputParameters xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Parameter>{0,unbounded}</spase:Parameter> </spase:OutputParameters>
Source	<xsd:element name="OutputParameters" type="spase:OutputParameters" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:OutputParameters / spase:Parameter

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Parameter
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="Parameter" type="spase:Parameter" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationModel / spase:ModelURL

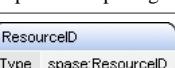
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:ModelURL
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="ModelURL" type="spase:ModelURL" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Spase / spase:SimulationRun

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:SimulationRun
Properties	content: complex
Model	spase:ResourceID , spase:ResourceHeader , spase:AccessInformation* , spase:ProviderResourceName{0,1} , spase:ProviderProcessingLevel{0,1} , spase:ProviderVersion{0,1} , spase:Model{0,1} , spase:TemporalDependence{0,1} , spase:SimulatedRegion+ , spase:LikelihoodRating{0,1} , spase:Caveats{0,1} , spase:Keyword* , spase:InputResourceID*

	, spase:SimulationTime{0,1} , spase:SimulationDomain{0,1} , (spase:RegionParameter spase:InputParameter spase:InputPopulation spase:InputField spase:InputProcess) , spase:Extension*
Children	spase:AccessInformation, spase:Caveats, spase:Extension, spase:InputField, spase:InputParameter, spase:InputPopulation, spase:InputProcess, spase:InputResourceID, spase:Keyword, spase:LikelihoodRating, spase:Model, spase:ProviderProcessingLevel, spase:ProviderResourceName, spase:ProviderVersion, spase:RegionParameter, spase:ResourceHeader, spase:ResourceID, spase:SimulatedRegion, spase:SimulationDomain, spase:SimulationTime, spase:TemporalDependence
Instance	<pre><spase:SimulationRun xmlns:spase="http://www.spase-group.org/data/schema"> <spase:ResourceID>{1,1}</spase:ResourceID> <spase:ResourceHeader>{1,1}</spase:ResourceHeader> <spase:AccessInformation>{0,unbounded}</spase:AccessInformation> <spase:ProviderResourceName>{0,1}</spase:ProviderResourceName> <spase:ProviderProcessingLevel>{0,1}</spase:ProviderProcessingLevel> <spase:ProviderVersion>{0,1}</spase:ProviderVersion> <spase:Model>{0,1}</spase:Model> <spase:TemporalDependence>{0,1}</spase:TemporalDependence> <spase:SimulatedRegion>{1,unbounded}</spase:SimulatedRegion> <spase:LikelihoodRating>{0,1}</spase:LikelihoodRating> <spase:Caveats>{0,1}</spase:Caveats> <spase:Keyword>{0,unbounded}</spase:Keyword> <spase:InputResourceID>{0,unbounded}</spase:InputResourceID> <spase:SimulationTime>{0,1}</spase:SimulationTime> <spase:SimulationDomain>{0,1}</spase:SimulationDomain> <spase:RegionParameter>{1,1}</spase:RegionParameter> <spase:InputParameter>{1,1}</spase:InputParameter> <spase:InputPopulation>{1,1}</spase:InputPopulation> <spase:InputField>{1,1}</spase:InputField> <spase:InputProcess>{1,1}</spase:InputProcess> <spase:Extension>{0,unbounded}</spase:Extension> </spase:SimulationRun></pre>
Source	<code><xsd:element name="SimulationRun" type="spase:SimulationRun" /></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:ResourceID

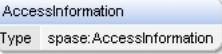
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ResourceID						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xsd:element name="ResourceID" type="spase:ResourceID" minOccurs="1" maxOccurs="1" /></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationRun / spase:ResourceHeader

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ResourceHeader						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xsd:element name="ResourceHeader" type="spase:ResourceHeader" minOccurs="1" maxOccurs="1" /></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationRun / spase:AccessInformation

Namespace	http://www.spase-group.org/data/schema
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Diagram	 Type spase:AccessInformation
Type	AccessInformation
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="AccessInformation" type="spase:AccessInformation" minOccurs="0" maxOccurs="unbounded" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:ProviderResourceName

Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:ProviderResourceName
Type	ProviderResourceName
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="ProviderResourceName" type="spase:ProviderResourceName" minOccurs="0" maxOccurs="1" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:ProviderProcessingLevel

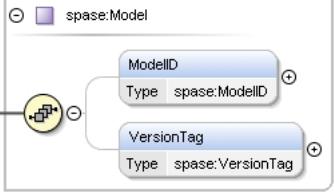
Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:ProviderProcessingLevel
Type	ProviderProcessingLevel
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="ProviderProcessingLevel" type="spase:ProviderProcessingLevel" minOccurs="0" maxOccurs="1" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:ProviderVersion

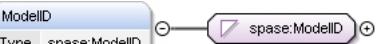
Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:ProviderVersion
Type	ProviderVersion
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="ProviderVersion" type="spase:ProviderVersion" minOccurs="0" maxOccurs="1" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:Model

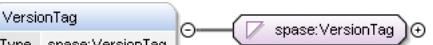
Namespace	http://www.spase-group.org/data/schema
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Diagram	
Type	spase:Model
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	spase:ModelID{0,1} , spase:VersionTag{0,1}
Children	spase:ModelID, spase:VersionTag
Instance	<pre><spase:Model xmlns:spase="http://www.spase-group.org/data/schema"> <spase:ModelID>{0,1}</spase:ModelID> <spase:VersionTag>{0,1}</spase:VersionTag> </spase:Model></pre>
Source	<code><xsd:element name="Model" type="spase:Model" minOccurs="0" maxOccurs="1" /></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Model / spase:ModelID

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:ModelID
Type hierarchy	<ul style="list-style-type: none"> xsd:string spase:typeID spase:ModelID
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Facets	[^:]+://[^/]++/.+
Source	<code><xsd:element name="ModelID" type="spase:ModelID" minOccurs="0" maxOccurs="1" /></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Model / spase:VersionTag

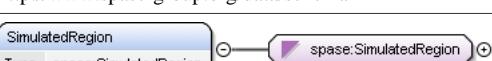
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:VersionTag
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<code><xsd:element name="VersionTag" type="spase:VersionTag" minOccurs="0" maxOccurs="1" /></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:TemporalDependence

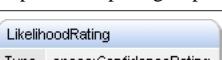
Namespace	http://www.spase-group.org/data/schema
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Diagram	
Type	spase:YN
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Facets	<p>enumeration No</p> <p>enumeration Yes</p>
Source	<xsd:element name="TemporalDependence" type="spase:YN" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:SimulatedRegion

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:SimulatedRegion
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: unbounded</p>
Source	<xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="1" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:LikelihoodRating

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	ConfidenceRating
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="LikelihoodRating" type="spase:ConfidenceRating" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:Caveats

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Caveats
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:Keyword

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Keyword
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="Keyword" type="spase:Keyword" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:InputResourceID

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	InputResourceID
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="InputResourceID" type="spase:InputResourceID" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:SimulationTime

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:SimulationTime
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	spase:Description{0,1} , spase:Caveats{0,1} , spase:Duration{0,1} , spase:TimeStart{0,1} , spase:TimeStop{0,1} , spase:TimeStep{0,1} , spase:DiagnosisTimeStep{0,1}

Children	spase:Caveats, spase:Description, spase:DiagnosisTimeStep, spase:Duration, spase:TimeStart, spase:TimeStep, spase:TimeStop
Instance	<pre><spase:SimulationTime xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Description>{0,1}</spase:Description> <spase:Caveats>{0,1}</spase:Caveats> <spase:Duration>{0,1}</spase:Duration> <spase:TimeStart>{0,1}</spase:TimeStart> <spase:TimeStop>{0,1}</spase:TimeStop> <spase:TimeStep>{0,1}</spase:TimeStep> <spase:DiagnosisTimeStep>{0,1}</spase:DiagnosisTimeStep> </spase:SimulationTime></pre>
Source	<code><xsd:element name="SimulationTime" type="spase:SimulationTime" minOccurs="0" maxOccurs="1"/></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationTime / spase:Description

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	Description						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationTime / spase:Caveats

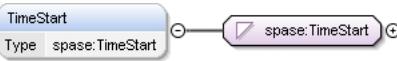
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	Caveats						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationTime / spase:Duration

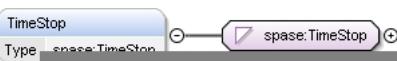
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:Duration						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="Duration" type="spase:Duration" minOccurs="0" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationTime / spase:TimeStart

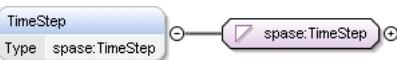
Namespace	http://www.spase-group.org/data/schema
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Diagram	
Type	spase:TimeStart
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="TimeStart" type="spase:TimeStart" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

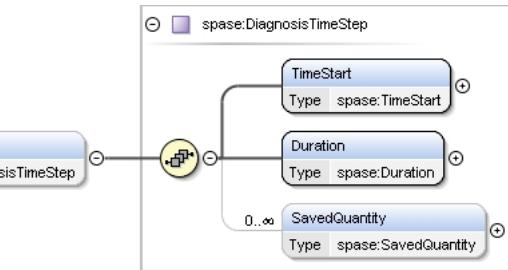
Element spase:SimulationTime / spase:TimeStop

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:TimeStop
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="TimeStop" type="spase:TimeStop" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationTime / spase:TimeStep

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:TimeStep
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="TimeStep" type="spase:TimeStep" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationTime / spase:DiagnosisTimeStep

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:DiagnosisTimeStep
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>

Model	spase:TimeStart , spase:Duration , spase:SavedQuantity*
Children	spase:Duration, spase:SavedQuantity, spase:TimeStart
Instance	<pre><spase:DiagnosisTimeStep xmlns:spase="http://www.spase-group.org/data/schema"> <spase:TimeStart>{1,1}</spase:TimeStart> <spase:Duration>{1,1}</spase:Duration> <spase:SavedQuantity>{0,unbounded}</spase:SavedQuantity> </spase:DiagnosisTimeStep></pre>
Source	<pre><xsd:element name="DiagnosisTimeStep" type="spase:DiagnosisTimeStep" minOccurs="0" maxOccurs="1"/></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DiagnosisTimeStep / spase:TimeStart

Namespace	http://www.spase-group.org/data/schema						
Diagram	A UML class diagram fragment showing a class named "TimeStart" with a compartment labeled "Type" containing "spase:TimeStart". A directed association arrow points from "TimeStart" to "spase:TimeStart".						
Type	spase:TimeStart						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xsd:element name="TimeStart" type="spase:TimeStart" minOccurs="1" maxOccurs="1"/></pre>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:DiagnosisTimeStep / spase:Duration

Namespace	http://www.spase-group.org/data/schema						
Diagram	A UML class diagram fragment showing a class named "Duration" with a compartment labeled "Type" containing "spase:Duration". A directed association arrow points from "Duration" to "spase:Duration".						
Type	spase:Duration						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<pre><xsd:element name="Duration" type="spase:Duration" minOccurs="1" maxOccurs="1"/></pre>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:DiagnosisTimeStep / spase:SavedQuantity

Namespace	http://www.spase-group.org/data/schema						
Diagram	A UML class diagram fragment showing a class named "SavedQuantity" with a compartment labeled "Type" containing "spase:SavedQuantity". A directed association arrow points from "SavedQuantity" to "spase:SavedQuantity".						
Type	spase:SavedQuantity						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						
Source	<pre><xsd:element name="SavedQuantity" type="spase:SavedQuantity" minOccurs="0" maxOccurs="unbounded"/></pre>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationRun / spase:SimulationDomain

Namespace	http://www.spase-group.org/data/schema
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Diagram							
Type	spase:SimulationDomain						
Properties	<table border="1"> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	spase:CoordinateSystem , spase:Description{0,1} , spase:Caveats{0,1} , spase:SpatialDimension , spase:VelocityDimension{0,1} , spase:FieldDimension{0,1} , spase:Units , spase:UnitsConversion{0,1} , spase:CoordinatesLabel{0,1} , spase:ValidMin{0,1} , spase:ValidMax{0,1} , spase:GridStructure{0,1} , spase:GridCellSize{0,1} , spase:Symmetry{0,1} , spase:BoundaryConditions{0,1}						
Children	spase:BoundaryConditions, spase:Caveats, spase:CoordinateSystem, spase:CoordinatesLabel, spase:Description, spase:FieldDimension, spase:GridCellSize, spase:GridStructure, spase:SpatialDimension, spase:Symmetry, spase:Units, spase:UnitsConversion, spase:ValidMax, spase:ValidMin, spase:VelocityDimension						
Instance	<pre> <spase:SimulationDomain xmlns:spase="http://www.spase-group.org/data/schema"> <spase:CoordinateSystem>{1,1}</spase:CoordinateSystem> <spase:Description>{0,1}</spase:Description> <spase:Caveats>{0,1}</spase:Caveats> <spase:SpatialDimension>{1,1}</spase:SpatialDimension> <spase:VelocityDimension>{0,1}</spase:VelocityDimension> <spase:FieldDimension>{0,1}</spase:FieldDimension> <spase:Units>{1,1}</spase:Units> <spase:UnitsConversion>{0,1}</spase:UnitsConversion> <spase:CoordinatesLabel>{0,1}</spase:CoordinatesLabel> <spase:ValidMin>{0,1}</spase:ValidMin> <spase:ValidMax>{0,1}</spase:ValidMax> <spase:GridStructure>{0,1}</spase:GridStructure> <spase:GridCellSize>{0,1}</spase:GridCellSize> </pre>						

	<pre><spase:Symmetry>{0,1}</spase:Symmetry> <spase:BoundaryConditions>{0,1}</spase:BoundaryConditions> </spase:SimulationDomain></pre>
Source	<code><xsd:element name="SimulationDomain" type="spase:SimulationDomain" minOccurs="0" maxOccurs="1"/></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationDomain / spase:CoordinateSystem

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	CoordinateSystem						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xsd:element name="CoordinateSystem" type="spase:CoordinateSystem" minOccurs="1" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationDomain / spase:Description

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	Description						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationDomain / spase:Caveats

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	Caveats						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationDomain / spase:SpatialDimension

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:SpatialDimension						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Source	<code><xsd:element name="SpatialDimension" type="spase:SpatialDimension" minOccurs="1" maxOccurs="1"/></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationDomain / spase:VelocityDimension

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:VelocityDimension						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="VelocityDimension" type="spase:VelocityDimension" minOccurs="0" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationDomain / spase:FieldDimension

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:FieldDimension						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="FieldDimension" type="spase:FieldDimension" minOccurs="0" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationDomain / spase:Units

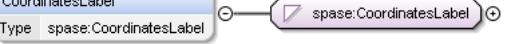
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	Units						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xsd:element name="Units" type="spase:Units" minOccurs="1" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationDomain / spase:UnitsConversion

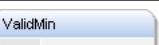
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	UnitsConversion						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="UnitsConversion" type="spase:UnitsConversion" minOccurs="0" maxOccurs="1"/></code>						

Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd
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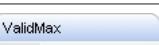
Element spase:SimulationDomain / spase:CoordinatesLabel

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:CoordinatesLabel						
Type hierarchy	<ul style="list-style-type: none"> • xsd:string <ul style="list-style-type: none"> • spase:typeStringSequence • spase:CoordinatesLabel 						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">simple</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="CoordinatesLabel" type="spase:CoordinatesLabel" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationDomain / spase:ValidMin

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ValidMin						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">simple</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="ValidMin" type="spase:ValidMin" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationDomain / spase:ValidMax

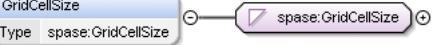
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ValidMax						
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">simple</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">maxOccurs:</td> <td style="padding: 2px;">1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="ValidMax" type="spase:ValidMax" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationDomain / spase:GridStructure

Namespace	http://www.spase-group.org/data/schema				
Diagram					
Type	spase:GridStructure				
Properties	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">content:</td> <td style="padding: 2px;">simple</td> </tr> <tr> <td style="padding: 2px;">minOccurs:</td> <td style="padding: 2px;">0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				

	maxOccurs:	1
Source	<xsd:element name="GridStructure" type="spase:GridStructure" minOccurs="0" maxOccurs="1"/>	
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd	

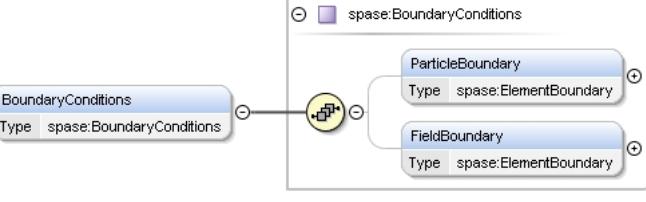
Element spase:SimulationDomain / spase:GridCellSize

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:GridCellSize						
Type hierarchy	<ul style="list-style-type: none"> xsd:float spase:typeFloatSequence spase:GridCellSize 						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="GridCellSize" type="spase:GridCellSize" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationDomain / spase:Symmetry

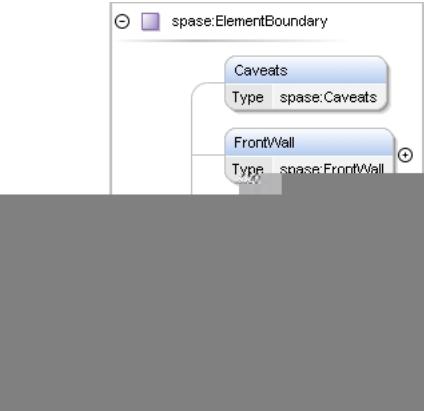
Namespace	http://www.spase-group.org/data/schema												
Diagram													
Type	spase:Symmetry												
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1						
content:	simple												
minOccurs:	0												
maxOccurs:	1												
Facets	<table border="1"> <tr> <td>enumeration</td> <td>Axial</td> <td>Axial symmetry.</td> </tr> <tr> <td>enumeration</td> <td>Central</td> <td>Central Symmetry.</td> </tr> <tr> <td>enumeration</td> <td>None</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Plane</td> <td>Symmetry across a plane.</td> </tr> </table>	enumeration	Axial	Axial symmetry.	enumeration	Central	Central Symmetry.	enumeration	None		enumeration	Plane	Symmetry across a plane.
enumeration	Axial	Axial symmetry.											
enumeration	Central	Central Symmetry.											
enumeration	None												
enumeration	Plane	Symmetry across a plane.											
Source	<xsd:element name="Symmetry" type="spase:Symmetry" minOccurs="0" maxOccurs="1"/>												
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd												

Element spase:SimulationDomain / spase:BoundaryConditions

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:BoundaryConditions						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	spase:ParticleBoundary{0,1} , spase:FieldBoundary{0,1}						

Children	spase:FieldBoundary, spase:ParticleBoundary
Instance	<spase:BoundaryConditions xmlns:spase="http://www.spase-group.org/data/schema"> <spase:ParticleBoundary>{0,1}</spase:ParticleBoundary> <spase:FieldBoundary>{0,1}</spase:FieldBoundary> </spase:BoundaryConditions>
Source	<xsd:element name="BoundaryConditions" type="spase:BoundaryConditions" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:BoundaryConditions / spase:ParticleBoundary

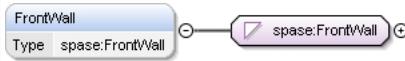
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:ElementBoundary						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	spase:Caveats{0,1} , spase:FrontWall{0,1} , spase:BackWall{0,1} , spase:SideWall{0,1} , spase:Obstacle{0,1}						
Children	spase:BackWall, spase:Caveats, spase:FrontWall, spase:Obstacle, spase:SideWall						
Instance	<spase:ParticleBoundary xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Caveats>{0,1}</spase:Caveats> <spase:FrontWall>{0,1}</spase:FrontWall> <spase:BackWall>{0,1}</spase:BackWall> <spase:SideWall>{0,1}</spase:SideWall> <spase:Obstacle>{0,1}</spase:Obstacle> </spase:ParticleBoundary>						
Source	<xsd:element name="ParticleBoundary" type="spase:ElementBoundary" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:ElementBoundary / spase:Caveats

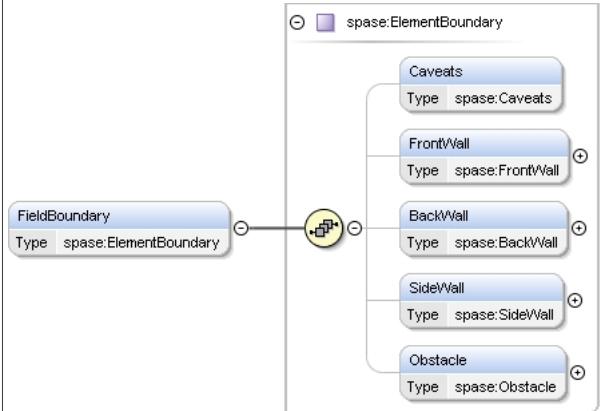
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	Caveats						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:ElementBoundary / spase:FrontWall

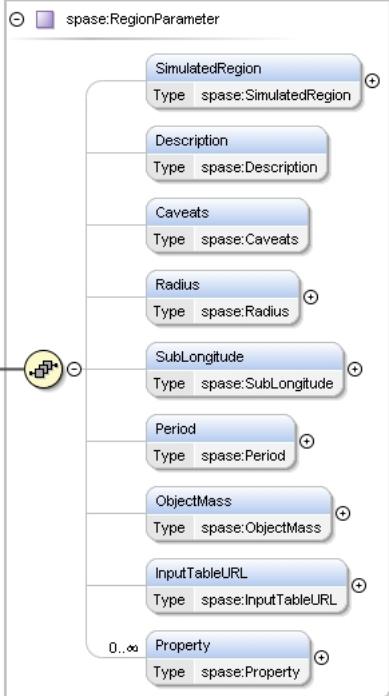
Namespace	http://www.spase-group.org/data/schema
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Diagram							
Type	spase:FrontWall						
Properties	<table><tr><td>content:</td><td>simple</td></tr><tr><td>minOccurs:</td><td>0</td></tr><tr><td>maxOccurs:</td><td>1</td></tr></table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="FrontWall" type="spase:FrontWall" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element

Diagram	
Type	spase:ElementBoundary
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Model	spase:Caveats{0,1} , spase:FrontWall{0,1} , spase:BackWall{0,1} , spase:SideWall{0,1} , spase:Obstacle{0,1}
Children	spase:BackWall, spase:Caveats, spase:FrontWall, spase:Obstacle, spase:SideWall
Instance	<pre><spase:FieldBoundary xmlns:spases="http://www.spase-group.org/data/schema"> <spase:Caveats>{0,1}</spase:Caveats> <spase:FrontWall>{0,1}</spase:FrontWall> <spase:BackWall>{0,1}</spase:BackWall> <spase:SideWall>{0,1}</spase:SideWall> <spase:Obstacle>{0,1}</spase:Obstacle> </spase:FieldBoundary></pre>
Source	<code><xsd:element name="FieldBoundary" type="spase:ElementBoundary" minOccurs="0" maxOccurs="1"/></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:RegionParameter

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:RegionParameter
Properties	content: complex

Model	spase:SimulatedRegion{0,1} , spase:Description{0,1} , spase:Caveats{0,1} , spase:Radius{0,1} , spase:SubLongitude{0,1} , spase:Period{0,1} , spase:ObjectMass{0,1} , spase:InputTableURL{0,1} , spase:Property*
Children	spase:Caveats, spase:Description, spase:InputTableURL, spase:ObjectMass, spase:Period, spase:Property, spase:Radius, spase:SimulatedRegion, spase:SubLongitude
Instance	<pre><spase:RegionParameter xmlns:spase="http://www.spase-group.org/data/schema"> <spase:SimulatedRegion>{0,1}</spase:SimulatedRegion> <spase:Description>{0,1}</spase:Description> <spase:Caveats>{0,1}</spase:Caveats> <spase:Radius Units="" UnitsConversion="">{0,1}</spase:Radius> <spase:SubLongitude Units="" UnitsConversion="">{0,1}</spase:SubLongitude> <spase:Period Units="" UnitsConversion="">{0,1}</spase:Period> <spase:ObjectMass Units="" UnitsConversion="">{0,1}</spase:ObjectMass> <spase:InputTableURL>{0,1}</spase:InputTableURL> <spase:Property>{0,unbounded}</spase:Property> </spase:RegionParameter></pre>
Source	<code><xsd:element name="RegionParameter" type="spase:RegionParameter"/></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:RegionParameter / spase:SimulatedRegion

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:SimulatedRegion						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:RegionParameter / spase:Description

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	Description						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:RegionParameter / spase:Caveats

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	Caveats						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:RegionParameter / spase:Radius

Namespace	http://www.spase-group.org/data/schema				
Diagram					
Type	spase:Radius				
Type hierarchy	<ul style="list-style-type: none"> • xsd:double <ul style="list-style-type: none"> • spase:typeValue • spase:Radius 				
Properties	content:	complex			
	minOccurs:	0			
	maxOccurs:	1			
Attributes	QName	Type	Use		
	Units	xsd:string	optional		
		<pre><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></pre>			
	UnitsConversion	xsd:string	optional		
		<pre><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></pre>			
Source	<pre><xsd:element name="Radius" type="spase:Radius" minOccurs="0" maxOccurs="1"/></pre>				
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd				

Element spase:RegionParameter / spase:SubLongitude

Namespace	http://www.spase-group.org/data/schema		
Diagram			
Type	spase:SubLongitude		

Type hierarchy	<ul style="list-style-type: none"> • xsd:double • spase:typeValue • spase:SubLongitude 																				
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>Units</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></td> <td></td> <td></td> </tr> <tr> <td>UnitsConversion</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Use		Units	xsd:string	optional			<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>			UnitsConversion	xsd:string	optional			<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>		
QName	Type	Use																			
Units	xsd:string	optional																			
	<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>																				
UnitsConversion	xsd:string	optional																			
	<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>																				
Source	<xsd:element name="SubLongitude" type="spase:SubLongitude" minOccurs="0" maxOccurs="1"/>																				
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd																				

Element spase:RegionParameter / spase:Period

Namespace	http://www.spase-group.org/data/schema																				
Diagram	<pre> classDiagram class spase { class Period { <<spase:Period>> <<Type>> } } class spase { class typeValue { <<spase:typeValue (restriction base)>> <<Base Type>> xsd:double class xsd { class double { <<xsd:double>> } } class Attributes { <<@ Attributes>> class Units { <<@ Units>> <<Type>> xsd:string } class UnitsConversion { <<@ UnitsConversion>> <<Type>> xsd:string } } } } </pre>																				
Type	spase:Period																				
Type hierarchy	<ul style="list-style-type: none"> • xsd:double • spase:typeValue • spase:Period 																				
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>Units</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></td> <td></td> <td></td> </tr> <tr> <td>UnitsConversion</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Use		Units	xsd:string	optional			<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>			UnitsConversion	xsd:string	optional			<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>		
QName	Type	Use																			
Units	xsd:string	optional																			
	<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>																				
UnitsConversion	xsd:string	optional																			
	<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>																				

Source	<code><xsd:element name="Period" type="spase:Period" minOccurs="0" maxOccurs="1"/></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

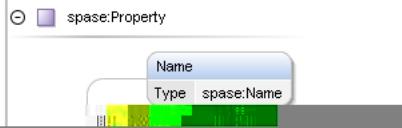
Element spase:RegionParameter / spase:ObjectMass

Namespace	http://www.spase-group.org/data/schema															
Diagram	<pre> classDiagram spase:ObjectMass < -- spase:typeValue spase:typeValue < -- xsd:double ObjectMass < -- spase:ObjectMass ObjectMass @Attributes @Units : xsd:string @UnitsConversion : xsd:string </pre>															
Type	spase:ObjectMass															
Type hierarchy	<ul style="list-style-type: none"> • xsd:double • spase:typeValue • spase:ObjectMass 															
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1									
content:	complex															
minOccurs:	0															
maxOccurs:	1															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>Units</td> <td>xsd:string</td> <td>optional</td> </tr> <tr> <td></td> <td> <pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre> </td> <td></td> </tr> <tr> <td>UnitsConversion</td> <td>xsd:string</td> <td>optional</td> </tr> <tr> <td></td> <td> <pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre> </td> <td></td> </tr> </tbody> </table>	QName	Type	Use	Units	xsd:string	optional		<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre>		UnitsConversion	xsd:string	optional		<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre>	
QName	Type	Use														
Units	xsd:string	optional														
	<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre>															
UnitsConversion	xsd:string	optional														
	<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre>															
Source	<code><xsd:element name="ObjectMass" type="spase:ObjectMass" minOccurs="0" maxOccurs="1"/></code>															
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd															

Element spase:RegionParameter / spase:InputTableURL

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> InputTableURL < -- spase:InputTableURL </pre>						
Type	spase:InputTableURL						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="InputTableURL" type="spase:InputTableURL" minOccurs="0" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:RegionParameter / spase:Property

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:Property						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	spase:Name{0,1} , spase:Description{0,1} , spase:Caveats{0,1} , spase:PropertyQuantity , spase:Qualifier* , spase:Units{0,1} , spase:UnitsConversion{0,1} , spase:PropertyLabel{0,1} , spase:PropertyValue{0,1} , spase:PropertyTableURL{0,1} , spase:ValidMin{0,1} , spase:ValidMax{0,1} , spase:PropertyModel{0,1} , spase:ModelURL{0,1}						
Children	spase:Caveats, spase:Description, spase:ModelURL, spase:Name, spase:PropertyLabel, spase:PropertyModel, spase:PropertyQuantity, spase:PropertyTableURL, spase:PropertyValue, spase:Qualifier, spase:Units, spase:UnitsConversion, spase:ValidMax, spase:ValidMin						
Instance	<pre> <spase:Property xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Name>{0,1}</spase:Name> <spase:Description>{0,1}</spase:Description> <spase:Caveats>{0,1}</spase:Caveats> <spase:PropertyQuantity>{1,1}</spase:PropertyQuantity> <spase:Qualifier>{0,unbounded}</spase:Qualifier> <spase:Units>{0,1}</spase:Units> <spase:UnitsConversion>{0,1}</spase:UnitsConversion> <spase:PropertyLabel>{0,1}</spase:PropertyLabel> <spase:PropertyValue>{0,1}</spase:PropertyValue> <spase:PropertyTableURL>{0,1}</spase:PropertyTableURL> <spase:ValidMin>{0,1}</spase:ValidMin> <spase:ValidMax>{0,1}</spase:ValidMax> <spase:PropertyModel>{0,1}</spase:PropertyModel> <spase:ModelURL>{0,1}</spase:ModelURL> </pre>						

	</spase:Property>
Source	<xsd:element name="Property" type="spase:Property" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:InputParameter

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:InputParameter
Properties	content: complex
Model	spase:Name , spase:Description{0,1} , spase:Caveats{0,1} , spase:SimulatedRegion* , spase:InputTableURL* , spase:Qualifier* , spase:ParameterQuantity{0,1} , spase:Property+
Children	spase:Caveats, spase:Description, spase:InputTableURL, spase:Name, spase:ParameterQuantity, spase:Property, spase:Qualifier, spase:SimulatedRegion
Instance	<pre> <spase:InputParameter xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Name>{1,1}</spase:Name> <spase:Description>{0,1}</spase:Description> <spase:Caveats>{0,1}</spase:Caveats> <spase:SimulatedRegion>{0,unbounded}</spase:SimulatedRegion> <spase:InputTableURL>{0,unbounded}</spase:InputTableURL> <spase:Qualifier>{0,unbounded}</spase:Qualifier> <spase:ParameterQuantity>{0,1}</spase:ParameterQuantity> <spase:Property>{1,unbounded}</spase:Property> </spase:InputParameter> </pre>
Source	<xsd:element name="InputParameter" type="spase:InputParameter" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputParameter / spase:Name

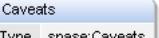
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Name
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="Name" type="spase:Name" minOccurs="1" maxOccurs="1"/>

Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd
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Element **spase:InputParameter / spase:Description**

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Description
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

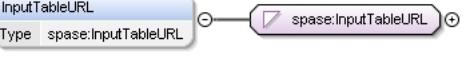
Element **spase:InputParameter / spase:Caveats**

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Caveats
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element **spase:InputParameter / spase:SimulatedRegion**

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:SimulatedRegion
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

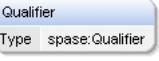
Element **spase:InputParameter / spase:InputTableURL**

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:InputTableURL
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="InputTableURL" type="spase:InputTableURL" minOccurs="0" maxOccurs="unbounded"/>

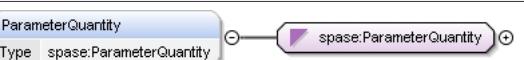
Schema
location

file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputParameter / spase:Qualifier

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Qualifier
Properties	<p>content: simple</p> <hr/> <p>minOccurs: 0</p> <hr/> <p>maxOccurs: unbounded</p>
Source	<xsd:element name="Qualifier" type="spase:Qualifier" minOccurs="0" maxOccurs="unbounded" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

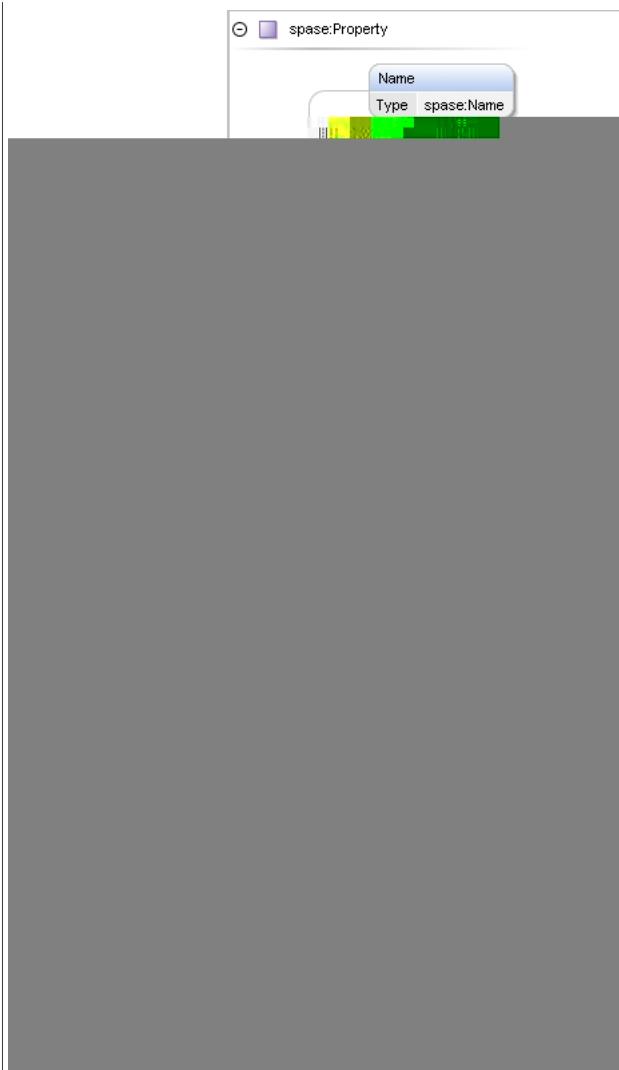
Element spase:InputParameter / spase:ParameterQuantity

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:ParameterQuantity
Properties	<p>content: simple</p> <hr/> <p>minOccurs: 0</p> <hr/> <p>maxOccurs: 1</p>
Source	<xsd:element name="ParameterQuantity" type="spase:ParameterQuantity" minOccurs="0" maxOccurs="1" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputParameter / spase:Property

Namespace http://www.spase-group.org/data/schema

Diagram



Type	spase:Property
Properties	content: complex
	minOccurs: 1
	maxOccurs: unbounded
Model	spase:Name{0,1} , spase:Description{0,1} , spase:Caveats{0,1} , spase:PropertyQuantity , spase:Qualifier* , spase:Units{0,1} , spase:UnitsConversion{0,1} , spase:PropertyLabel{0,1} , spase:PropertyValue{0,1} , spase:PropertyTableURL{0,1} , spase:ValidMin{0,1} , spase:ValidMax{0,1} , spase:PropertyModel{0,1} , spase:ModelURL{0,1}
Children	spase:Caveats, spase:Description, spase:ModelURL, spase:Name, spase:PropertyLabel, spase:PropertyModel, spase:PropertyQuantity, spase:PropertyTableURL, spase:PropertyValue, spase:Qualifier, spase:Units, spase:UnitsConversion, spase:ValidMax, spase:ValidMin
Instance	<pre> <spase:Property xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Name>{0,1}</spase:Name> <spase:Description>{0,1}</spase:Description> <spase:Caveats>{0,1}</spase:Caveats> <spase:PropertyQuantity>{1,1}</spase:PropertyQuantity> <spase:Qualifier>{0,unbounded}</spase:Qualifier> <spase:Units>{0,1}</spase:Units> <spase:UnitsConversion>{0,1}</spase:UnitsConversion> <spase:PropertyLabel>{0,1}</spase:PropertyLabel> <spase:PropertyValue>{0,1}</spase:PropertyValue> <spase:PropertyTableURL>{0,1}</spase:PropertyTableURL> <spase:ValidMin>{0,1}</spase:ValidMin> <spase:ValidMax>{0,1}</spase:ValidMax> <spase:PropertyModel>{0,1}</spase:PropertyModel> <spase:ModelURL>{0,1}</spase:ModelURL> </spase:Property></pre>
Source	<xsd:element name="Property" type="spase:Property" minOccurs="1" maxOccurs="unbounded"/>

Schema
location

file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:SimulationRun / spase:InputPopulation

Namespace	http://www.spase-group.org/data/schema
Diagram	<p>The diagram shows a UML class named 'spase:InputPopulation'. It has four attributes: 'Name' of type 'spase:Name', 'Set' of type 'spase:Set' with multiplicity 0..*, 'ParameterKey' of type 'spase:ParameterKey', and 'Description' of type 'spase:Desc'.</p>
Type	spase:InputPopulation
Properties	content: complex

Model	spase:Name , spase:Set* , spase:ParameterKey{0,1} , spase:Description{0,1} , spase:Caveats{0,1} , spase:SimulatedRegion* , spase:Qualifier* , spase:ParticleType{0,1} , spase:ChemicalFormula{0,1} , spase:AtomicNumber{0,1} , spase:PopulationMassNumber{0,1} , spase:PopulationChargeState{0,1} , spase:PopulationDensity{0,1} , spase:PopulationTemperature{0,1} , spase:PopulationFlowSpeed{0,1} , spase:Distribution{0,1} , spase:ProductionRate{0,1} , spase>TotalProductionRate{0,1} , spase:InputTableURL{0,1} , spase:DensityProfile{0,1} , spase:ModelURL{0,1}
Children	spase:AtomicNumber, spase:Caveats, spase:ChemicalFormula, spase:DensityProfile, spase:Description, spase:Distribution, spase:InputTableURL, spase:ModelURL, spase:Name, spase:ParameterKey, spase:ParticleType, spase:PopulationChargeState, spase:PopulationDensity, spase:PopulationFlowSpeed, spase:PopulationMassNumber, spase:PopulationTemperature, spase:ProductionRate, spase:Qualifier, spase:Set, spase:SimulatedRegion, spase>TotalProductionRate
Instance	<spase:InputPopulation xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Name>{1,1}</spase:Name> <spase:Set>{0,unbounded}</spase:Set> <spase:ParameterKey>{0,1}</spase:ParameterKey> <spase:Description>{0,1}</spase:Description> <spase:Caveats>{0,1}</spase:Caveats> <spase:SimulatedRegion>{0,unbounded}</spase:SimulatedRegion> <spase:Qualifier>{0,unbounded}</spase:Qualifier> <spase:ParticleType>{0,1}</spase:ParticleType> <spase:ChemicalFormula>{0,1}</spase:ChemicalFormula> <spase:AtomicNumber>{0,1}</spase:AtomicNumber> <spase:PopulationMassNumber Units="" UnitsConversion="">{0,1}</spase:PopulationMassNumber> <spase:PopulationChargeState>{0,1}</spase:PopulationChargeState> <spase:PopulationDensity Units="" UnitsConversion="">{0,1}</spase:PopulationDensity> <spase:PopulationTemperature Units="" UnitsConversion="">{0,1}</spase:PopulationTemperature> <spase:PopulationFlowSpeed Units="" UnitsConversion="">{0,1}</spase:PopulationFlowSpeed> <spase:Distribution>{0,1}</spase:Distribution> <spase:ProductionRate Units="" UnitsConversion="">{0,1}</spase:ProductionRate> <spase>TotalProductionRate Units="" UnitsConversion="">{0,1}</spase>TotalProductionRate> <spase:InputTableURL>{0,1}</spase:InputTableURL> <spase:DensityProfile>{0,1}</spase:DensityProfile> <spase:ModelURL>{0,1}</spase:ModelURL> </spase:InputPopulation>
Source	<xsd:element name="InputPopulation" type="spase:InputPopulation"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputPopulation / spase:Name

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Name
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xsd:element name="Name" type="spase:Name" minOccurs="1" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

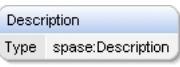
Element spase:InputPopulation / spase:Set

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Set
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="Set" type="spase:Set" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

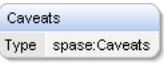
Element spase:InputPopulation / spase:ParameterKey

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	ParameterKey
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="ParameterKey" type="spase:ParameterKey" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputPopulation / spase:Description

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Description
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputPopulation / spase:Caveats

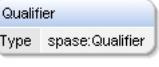
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Caveats
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputPopulation / spase:SimulatedRegion

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:SimulatedRegion
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="unbounded"/>

Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd
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Element spase:InputPopulation / spase:Qualifier

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Qualifier
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Source	<xsd:element name="Qualifier" type="spase:Qualifier" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

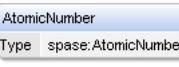
Element spase:InputPopulation / spase:ParticleType

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	ParticleType
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="ParticleType" type="spase:ParticleType" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputPopulation / spase:ChemicalFormula

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:ChemicalFormula
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="ChemicalFormula" type="spase:ChemicalFormula" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputPopulation / spase:AtomicNumber

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	AtomicNumber
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="AtomicNumber" type="spase:AtomicNumber" minOccurs="0" maxOccurs="1"/>

Schema
location

file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputPopulation / spase:PopulationMassNumber

Namespace	http://www.spase-group.org/data/schema																	
Diagram	<pre> classDiagram spase:PopulationMassNumber < -- spase:typeValue spase:typeValue < -- xsd:double PopulationMassNumber < -- spase:PopulationMassNumber PopulationMassNumber @Attributes @Units : xsd:string @UnitsConversion : xsd:string </pre>																	
Type	spase:PopulationMassNumber																	
Type hierarchy	<ul style="list-style-type: none"> • xsd:double • spase:typeValue • spase:PopulationMassNumber 																	
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>																	
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>Units</td> <td>xsd:string</td> <td>optional</td> </tr> <tr> <td></td> <td> <pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre> </td> <td></td> </tr> <tr> <td>UnitsConversion</td> <td>xsd:string</td> <td>optional</td> </tr> <tr> <td></td> <td> <pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre> </td> <td></td> </tr> </tbody> </table>			QName	Type	Use	Units	xsd:string	optional		<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre>		UnitsConversion	xsd:string	optional		<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre>	
QName	Type	Use																
Units	xsd:string	optional																
	<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre>																	
UnitsConversion	xsd:string	optional																
	<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre>																	
Source	<pre> <xsd:element name="PopulationMassNumber" type="spase:PopulationMassNumber" minOccurs="0" maxOccurs="1"/> </pre>																	
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd																	

Element spase:InputPopulation / spase:PopulationChargeState

Namespace	http://www.spase-group.org/data/schema		
Diagram	<pre> classDiagram spase:PopulationChargeState < -- spase:PopulationChargeState spase:PopulationChargeState < -- spase:PopulationChargeState </pre>		
Type	spase:PopulationChargeState		
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>		
Source	<pre> <xsd:element name="PopulationChargeState" type="spase:PopulationChargeState" minOccurs="0" maxOccurs="1"/> </pre>		
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd		

Element spase:InputPopulation / spase:PopulationDensity

Namespace	http://www.spase-group.org/data/schema																						
Diagram	<pre> classDiagram class PopulationDensity { <<spase:PopulationDensity>> } class spase { class PopulationDensity { <<spase:PopulationDensity>> } class typeValue { <<spase:typeValue>> } class typeValue { <<spase:typeValue (restriction base)>> <<xsd:double>> } class Attributes { <<@>> class Units { <<xsd:string>> } class UnitsConversion { <<xsd:string>> } } } PopulationDensity --> spase:typeValue PopulationDensity --> Attributes </pre>																						
Type	spase:PopulationDensity																						
Type hierarchy	<ul style="list-style-type: none"> xsd:double spase:typeValue spase:PopulationDensity 																						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> <td></td> </tr> <tr> <td>minOccurs:</td> <td>0</td> <td></td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> <td></td> </tr> </table>			content:	complex		minOccurs:	0		maxOccurs:	1												
content:	complex																						
minOccurs:	0																						
maxOccurs:	1																						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>Units</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td><xsd:annotation><xsd:documentation xml:lang="en"></xsd:documentation></xsd:annotation></td> <td></td> <td></td> </tr> <tr> <td>UnitsConversion</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td><xsd:annotation><xsd:documentation xml:lang="en"></xsd:documentation></xsd:annotation></td> <td></td> <td></td> </tr> </tbody> </table>			QName	Type	Use		Units	xsd:string	optional			<xsd:annotation><xsd:documentation xml:lang="en"></xsd:documentation></xsd:annotation>			UnitsConversion	xsd:string	optional			<xsd:annotation><xsd:documentation xml:lang="en"></xsd:documentation></xsd:annotation>		
QName	Type	Use																					
Units	xsd:string	optional																					
	<xsd:annotation><xsd:documentation xml:lang="en"></xsd:documentation></xsd:annotation>																						
UnitsConversion	xsd:string	optional																					
	<xsd:annotation><xsd:documentation xml:lang="en"></xsd:documentation></xsd:annotation>																						
Source	<xsd:element name="PopulationDensity" type="spase:PopulationDensity" minOccurs="0" maxOccurs="1"/>																						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd																						

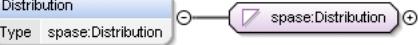
Element spase:InputPopulation / spase:PopulationTemperature

Namespace	http://www.spase-group.org/data/schema		
Diagram	<pre> classDiagram class PopulationTemperature { <<spase:PopulationTemperature>> } class spase { class PopulationTemperature { <<spase:PopulationTemperature>> } class typeValue { <<spase:typeValue>> } class typeValue { <<spase:typeValue (restriction base)>> <<xsd:double>> } class Attributes { <<@>> class Units { <<xsd:string>> } class UnitsConversion { <<xsd:string>> } } } PopulationTemperature --> spase:typeValue PopulationTemperature --> Attributes </pre>		
Type	spase:PopulationTemperature		

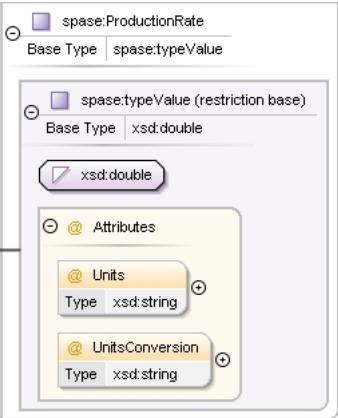
Type hierarchy	<ul style="list-style-type: none"> • xsd:double • spase:typeValue • spase:PopulationTemperature 																				
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>Units</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td> <pre><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></pre> </td> </tr> <tr> <td>UnitsConversion</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Use		Units	xsd:string	optional					<pre><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></pre>	UnitsConversion	xsd:string	optional					
QName	Type	Use																			
Units	xsd:string	optional																			
			<pre><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></pre>																		
UnitsConversion	xsd:string	optional																			

	QName	Type	Use	
		</xsd:annotation>		
Source		<xsd:element name="PopulationFlowSpeed" type="spase:PopulationFlowSpeed" minOccurs="0" maxOccurs="1"/>		
Schema location		file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd		

Element spase:InputPopulation / spase:Distribution

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:Distribution
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="Distribution" type="spase:Distribution" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputPopulation / spase:ProductionRate

Namespace	http://www.spase-group.org/data/schema																				
Diagram																					
Type	spase:ProductionRate																				
Type hierarchy	<ul style="list-style-type: none"> xsd:double spase:typeValue spase:ProductionRate 																				
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>Units</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td><xsd:annotation><xsd:documentation xml:lang="en"></xsd:documentation></xsd:annotation></td> <td></td> <td></td> </tr> <tr> <td>UnitsConversion</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td><xsd:annotation><xsd:documentation xml:lang="en"></xsd:documentation></xsd:annotation></td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Use		Units	xsd:string	optional			<xsd:annotation><xsd:documentation xml:lang="en"></xsd:documentation></xsd:annotation>			UnitsConversion	xsd:string	optional			<xsd:annotation><xsd:documentation xml:lang="en"></xsd:documentation></xsd:annotation>		
QName	Type	Use																			
Units	xsd:string	optional																			
	<xsd:annotation><xsd:documentation xml:lang="en"></xsd:documentation></xsd:annotation>																				
UnitsConversion	xsd:string	optional																			
	<xsd:annotation><xsd:documentation xml:lang="en"></xsd:documentation></xsd:annotation>																				

Source	<code><xsd:element name="ProductionRate" type="spase:ProductionRate" minOccurs="0" maxOccurs="1"/></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputPopulation / spase:TotalProductionRate

Namespace	http://www.spase-group.org/data/schema															
Diagram	<pre> classDiagram spase:TotalProductionRate < -- spase:typeValue spase:typeValue < -- xsd:double xsd:double < -- xsd:double xsd:double < -- Attributes Attributes < -- Units Attributes < -- UnitsConversion </pre>															
Type	spase:TotalProductionRate															
Type hierarchy	<ul style="list-style-type: none"> xsd:double spase:typeValue spase:TotalProductionRate 															
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1									
content:	complex															
minOccurs:	0															
maxOccurs:	1															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>Units</td> <td>xsd:string</td> <td>optional</td> </tr> <tr> <td></td> <td> <code><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></code> </td> <td></td> </tr> <tr> <td>UnitsConversion</td> <td>xsd:string</td> <td>optional</td> </tr> <tr> <td></td> <td> <code><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></code> </td> <td></td> </tr> </tbody> </table>	QName	Type	Use	Units	xsd:string	optional		<code><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></code>		UnitsConversion	xsd:string	optional		<code><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></code>	
QName	Type	Use														
Units	xsd:string	optional														
	<code><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></code>															
UnitsConversion	xsd:string	optional														
	<code><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></code>															
Source	<code><xsd:element name="TotalProductionRate" type="spase:TotalProductionRate" minOccurs="0" maxOccurs="1"/></code>															
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd															

Element spase:InputPopulation / spase:InputTableURL

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> classDiagram InputTableURL < -- spase:InputTableURL spase:InputTableURL < -- spase:InputTableURL </pre>						
Type	spase:InputTableURL						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xsd:element name="InputTableURL" type="spase:InputTableURL" minOccurs="0" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:InputPopulation / spase:DensityProfile

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> classDiagram class DensityProfile class spase:DensityProfile DensityProfile < -- spase:DensityProfile </pre>						
Type	spase:DensityProfile						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="DensityProfile" type="spase:DensityProfile" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:InputPopulation / spase:ModelURL

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> classDiagram class ModelURL class spase:ModelURL ModelURL < -- spase:ModelURL </pre>						
Type	spase:ModelURL						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="ModelURL" type="spase:ModelURL" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationRun / spase:InputField

Namespace	http://www.spase-group.org/data/schema
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Diagram	<p>The diagram shows the UML class <code>spase:InputField</code>. It has the following attributes:</p> <ul style="list-style-type: none"> <code>Name</code> (Type: <code>spase:Name</code>) <code>Set</code> (Type: <code>spase:Set</code>, multiplicity: <code>0..∞</code>) <code>ParameterKey</code> (Type: <code>spase:ParameterKey</code>) <code>Description</code> (Type: <code>spase:Description</code>) <code>Caveats</code> (Type: <code>spase:Caveats</code>) <code>SimulatedRegion</code> (Type: <code>spase:SimulatedRegion</code>, multiplicity: <code>0..∞</code>) <code>CoordinateSystem</code> (Type: <code>spase:CoordinateSystem</code>) <code>Qualifier</code> (Type: <code>spase:Qualifier</code>, multiplicity: <code>0..∞</code>) <code>FieldQuantity</code> (Type: <code>spase:FieldQuantity</code>) <code>Units</code> (Type: <code>spase:Units</code>) <code>UnitsConversion</code> (Type: <code>spase:UnitsConversion</code>) <p>Associations:</p> <ul style="list-style-type: none"> <code>InputField</code> (Type: <code>spase:InputField</code>) is associated with <code>spase:InputField</code> via a self-loop arrow.
Type	<code>spase:InputField</code>
Properties	content: complex
Model	<code>spase:Name</code> , <code>spase:Set*</code> , <code>spase:ParameterKey{0,1}</code> , <code>spase:Description{0,1}</code> , <code>spase:Caveats{0,1}</code> , <code>spase:SimulatedRegion*</code> , <code>spase:CoordinateSystem{0,1}</code> , <code>spase:Qualifier*</code> , <code>spase:FieldQuantity</code> , <code>spase:Units{0,1}</code> , <code>spase:UnitsConversion{0,1}</code> , <code>spase:InputLabel{0,1}</code> , <code>spase:FieldValue{0,1}</code> , <code>spase:InputTableURL{0,1}</code> , <code>spase:ValidMin{0,1}</code> , <code>spase:ValidMax{0,1}</code> , <code>spase:FieldModel{0,1}</code> , <code>spase:ModelURL{0,1}</code>
Children	<code>spase:Caveats</code> , <code>spase:CoordinateSystem</code> , <code>spase:Description</code> , <code>spase:FieldModel</code> , <code>spase:FieldQuantity</code> , <code>spase:FieldValue</code> , <code>spase:InputLabel</code> , <code>spase:InputTableURL</code> , <code>spase:ModelURL</code> , <code>spase:Name</code> , <code>spase:ParameterKey</code> , <code>spase:Qualifier</code> , <code>spase:Set</code> , <code>spase:SimulatedRegion</code> , <code>spase:Units</code> , <code>spase:UnitsConversion</code> , <code>spase:ValidMax</code> , <code>spase:ValidMin</code>
Instance	<pre> <spase:InputField xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Name>{1,1}</spase:Name> <spase:Set>{0,unbounded}</spase:Set> <spase:ParameterKey>{0,1}</spase:ParameterKey> <spase:Description>{0,1}</spase:Description> <spase:Caveats>{0,1}</spase:Caveats> <spase:SimulatedRegion>{0,unbounded}</spase:SimulatedRegion> <spase:CoordinateSystem>{0,1}</spase:CoordinateSystem> </pre>

	<pre> <spase:Qualifier>{0,unbounded}</spase:Qualifier> <spase:FieldQuantity>{1,1}</spase:FieldQuantity> <spase:Units>{0,1}</spase:Units> <spase:UnitsConversion>{0,1}</spase:UnitsConversion> <spase:InputLabel>{0,1}</spase:InputLabel> <spase:FieldValue>{0,1}</spase:FieldValue> <spase:InputTableURL>{0,1}</spase:InputTableURL> <spase:ValidMin>{0,1}</spase:ValidMin> <spase:ValidMax>{0,1}</spase:ValidMax> <spase:FieldModel>{0,1}</spase:FieldModel> <spase:ModelURL>{0,1}</spase:ModelURL> </spase:InputField> </pre>
Source	<xsd:element name="InputField" type="spase:InputField"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputField / spase:Name

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Name
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xsd:element name="Name" type="spase:Name" minOccurs="1" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputField / spase:Set

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Set
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="Set" type="spase:Set" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputField / spase:ParameterKey

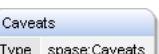
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	ParameterKey
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="ParameterKey" type="spase:ParameterKey" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputField / spase:Description

Namespace	http://www.spase-group.org/data/schema
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Diagram	 Type spase:Description
Type	Description
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

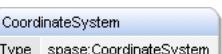
Element spase:InputField / spase:Caveats

Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:Caveats
Type	Caveats
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputField / spase:SimulatedRegion

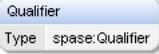
Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:SimulatedRegion
Type	spase:SimulatedRegion
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputField / spase:CoordinateSystem

Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:CoordinateSystem
Type	CoordinateSystem
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="CoordinateSystem" type="spase:CoordinateSystem" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputField / spase:Qualifier

Namespace	http://www.spase-group.org/data/schema
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Diagram	 Type spase:Qualifier
Type	Qualifier
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="Qualifier" type="spase:Qualifier" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

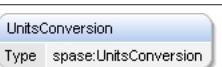
Element spase:InputField / spase:FieldQuantity

Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:FieldQuantity
Type	FieldQuantity
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xsd:element name="FieldQuantity" type="spase:FieldQuantity" minOccurs="1" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputField / spase:Units

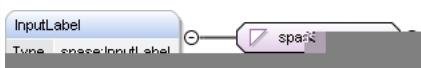
Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:Units
Type	Units
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="Units" type="spase:Units" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputField / spase:UnitsConversion

Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:UnitsConversion
Type	UnitsConversion
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="UnitsConversion" type="spase:UnitsConversion" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputField / spase:InputLabel

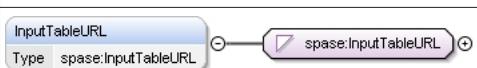
Namespace	http://www.spase-group.org/data/schema
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Diagram	
Type	spase:InputLabel
Type hierarchy	<ul style="list-style-type: none"> xsd:string spase:typeStringSequence spase:InputLabel
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="InputLabel" type="spase:InputLabel" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

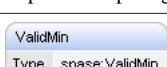
Element spase:InputField / spase:FieldValue

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:FieldValue
Type hierarchy	<ul style="list-style-type: none"> xsd:string spase:typeStringSequence spase:FieldValue
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="FieldValue" type="spase:FieldValue" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputField / spase:InputTableURL

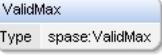
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:InputTableURL
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="InputTableURL" type="spase:InputTableURL" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputField / spase:ValidMin

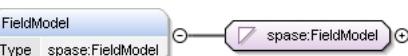
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	ValidMin
Properties	content: simple

	minOccurs:	0
	maxOccurs:	1
Source	<xsd:element name="ValidMin" type="spase:ValidMin" minOccurs="0" maxOccurs="1"/>	
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd	

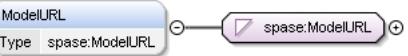
Element spase:InputField / spase:ValidMax

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ValidMax						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="ValidMax" type="spase:ValidMax" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:InputField / spase:FieldModel

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:FieldModel						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="FieldModel" type="spase:FieldModel" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:InputField / spase:ModelURL

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:ModelURL						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="ModelURL" type="spase:ModelURL" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationRun / spase:InputProcess

Namespace	http://www.spase-group.org/data/schema
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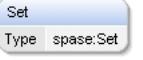
Diagram	
Type	spase:InputProcess
Properties	content: complex
Model	spase:Name , spase:Set* , spase:ParameterKey{0,1} , spase:Description{0,1} , spase:Caveats{0,1} , spase:SimulatedRegion* , spase:ProcessType , spase:Units{0,1} , spase:UnitsConversion{0,1} , spase:ProcessCoefficient{0,1} , spase:ProcessCoeffType{0,1} , spase:ProcessModel{0,1} , spase:ModelURL{0,1}
Children	spase:Caveats, spase:Description, spase:ModelURL, spase:Name, spase:ParameterKey, spase:ProcessCoeffType, spase:ProcessCoefficient, spase:ProcessModel, spase:ProcessType, spase:Set, spase:SimulatedRegion, spase:Units, spase:UnitsConversion
Instance	<pre><spase:InputProcess xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Name>{1,1}</spase:Name> <spase:Set>{0,unbounded}</spase:Set> <spase:ParameterKey>{0,1}</spase:ParameterKey> <spase:Description>{0,1}</spase:Description> <spase:Caveats>{0,1}</spase:Caveats> <spase:SimulatedRegion>{0,unbounded}</spase:SimulatedRegion> <spase:ProcessType>{1,1}</spase:ProcessType> <spase:Units>{0,1}</spase:Units> <spase:UnitsConversion>{0,1}</spase:UnitsConversion> <spase:ProcessCoefficient>{0,1}</spase:ProcessCoefficient> <spase:ProcessCoeffType>{0,1}</spase:ProcessCoeffType> <spase:ProcessModel>{0,1}</spase:ProcessModel> <spase:ModelURL>{0,1}</spase:ModelURL> </spase:InputProcess></pre>
Source	<xsd:element name="InputProcess" type="spase:InputProcess"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputProcess / spase:Name

Namespace	http://www.spase-group.org/data/schema
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Diagram	
Type	Name
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xsd:element name="Name" type="spase:Name" minOccurs="1" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputProcess / spase:Set

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Set
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="Set" type="spase:Set" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputProcess / spase:ParameterKey

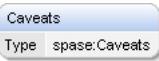
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	ParameterKey
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="ParameterKey" type="spase:ParameterKey" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputProcess / spase:Description

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Description
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputProcess / spase:Caveats

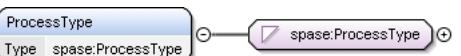
Namespace	http://www.spase-group.org/data/schema
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Diagram	
Type	Caveats
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<code><xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputProcess / spase:SimulatedRegion

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:SimulatedRegion
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<code><xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="unbounded"/></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputProcess / spase:ProcessType

Namespace	http://www.spase-group.org/data/schema												
Diagram													
Type	spase:ProcessType												
Properties	content: simple minOccurs: 1 maxOccurs: 1												
Facets	<table> <tr> <td>enumeration</td> <td>ChargeExchange</td> <td>Chemical process involving a charge transfer from an ion (which becomes neutral) to a neutral (which becomes ionized).</td> </tr> <tr> <td>enumeration</td> <td>DissociativeRecombination</td> <td>Chemical process by which an ion is neutralized by capturing an electron, and splits in two new neutral species.</td> </tr> <tr> <td>enumeration</td> <td>ElectronImpact</td> <td>Chemical process by which a neutral is ionized thanks to the energy from the impact of an electron.</td> </tr> <tr> <td>enumeration</td> <td>PhotoIonization</td> <td>Chemical process by which a neutral is ionized thanks to the energy from a photon.</td> </tr> </table>	enumeration	ChargeExchange	Chemical process involving a charge transfer from an ion (which becomes neutral) to a neutral (which becomes ionized).	enumeration	DissociativeRecombination	Chemical process by which an ion is neutralized by capturing an electron, and splits in two new neutral species.	enumeration	ElectronImpact	Chemical process by which a neutral is ionized thanks to the energy from the impact of an electron.	enumeration	PhotoIonization	Chemical process by which a neutral is ionized thanks to the energy from a photon.
enumeration	ChargeExchange	Chemical process involving a charge transfer from an ion (which becomes neutral) to a neutral (which becomes ionized).											
enumeration	DissociativeRecombination	Chemical process by which an ion is neutralized by capturing an electron, and splits in two new neutral species.											
enumeration	ElectronImpact	Chemical process by which a neutral is ionized thanks to the energy from the impact of an electron.											
enumeration	PhotoIonization	Chemical process by which a neutral is ionized thanks to the energy from a photon.											
Source	<code><xsd:element name="ProcessType" type="spase:ProcessType" minOccurs="1" maxOccurs="1"/></code>												
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd												

Element spase:InputProcess / spase:Units

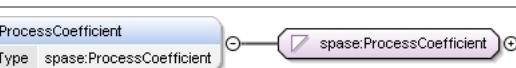
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Units

Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="Units" type="spase:Units" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

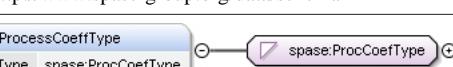
Element spase:InputProcess / spase:UnitsConversion

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	UnitsConversion
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="UnitsConversion" type="spase:UnitsConversion" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:InputProcess / spase:ProcessCoefficient

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:ProcessCoefficient
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="ProcessCoefficient" type="spase:ProcessCoefficient" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

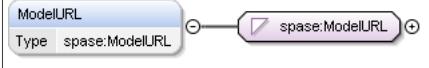
Element spase:InputProcess / spase:ProcessCoeffType

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:ProcCoefType
Properties	content: simple minOccurs: 0 maxOccurs: 1
Facets	enumeration CrossSection Cross section of the reaction, when the reaction implies the collision of two particles. enumeration Frequency enumeration Other enumeration Rate Reaction rate: reaction production per unit of time.
Source	<xsd:element name="ProcessCoeffType" type="spase:ProcCoefType" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

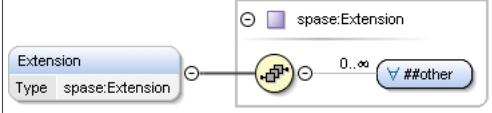
Element spase:InputProcess / spase:ProcessModel

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:ProcessModel						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="ProcessModel" type="spase:ProcessModel" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:InputProcess / spase:ModelURL

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:ModelURL						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="ModelURL" type="spase:ModelURL" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:SimulationRun / spase:Extension

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:Extension						
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	ANY element from ANY namespace OTHER than 'http://www.spase-group.org/data/schema'						
Source	<xsd:element name="Extension" type="spase:Extension" minOccurs="0" maxOccurs="unbounded"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:Spase / spase:NumericalOutput

Namespace	http://www.spase-group.org/data/schema
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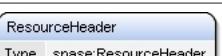
Diagram	<pre> classDiagram class spase:NumericalOutput { <<ResourceID>> Type spase:ResourceID <<ResourceHeader>> Type spase:ResourceHeader <<AccessInformation>> Type spase:AccessInformation 1..∞ } </pre>
Type	spase:NumericalOutput
Properties	content: complex
Model	spase:ResourceID , spase:ResourceHeader , spase:AccessInformation+ , spase:ProcessingLevel{0,1} , spase:Provider resourceName{0,1} , spase:Provider processingLevel{0,1} , spase:Provider version{0,1} , spase:SimulatedInstrumentID* , spase:MeasurementType+ , (spase:TemporalDescription spase:SpatialDescription) , spase:SpectralRange* , spase:SimulatedRegion* , spase:Caveats{0,1} , spase:Keyword* , spase:InputResourceID* , spase:Parameter* , spase:SimulationProduct{0,1} , spase:Property* , spase:Extension{0,1}
Children	spase:AccessInformation, spase:Caveats, spase:Extension, spase:InputResourceID, spase:Keyword, spase:MeasurementType, spase:Parameter, spase:ProcessingLevel, spase:Property, spase:Provider processingLevel, spase:Provider resourceName, spase:Provider version, spase:ResourceHeader, spase:ResourceID, spase:SimulatedInstrumentID, spase:SimulatedRegion, spase:SimulationProduct, spase:SpatialDescription, spase:SpectralRange, spase:TemporalDescription

Instance	<pre><spase:NumericalOutput xmlns:spase="http://www.spase-group.org/data/schema"> <spase:ResourceID>{1,1}</spase:ResourceID> <spase:ResourceHeader>{1,1}</spase:ResourceHeader> <spase:AccessInformation>{1,unbounded}</spase:AccessInformation> <spase:ProcessingLevel>{0,1}</spase:ProcessingLevel> <spase:ProviderResourceName>{0,1}</spase:ProviderResourceName> <spase:ProviderProcessingLevel>{0,1}</spase:ProviderProcessingLevel> <spase:ProviderVersion>{0,1}</spase:ProviderVersion> <spase:SimulatedInstrumentID>{0,unbounded}</spase:SimulatedInstrumentID> <spase:MeasurementType>{1,unbounded}</spase:MeasurementType> <spase:TemporalDescription>{1,1}</spase:TemporalDescription> <spase:SpatialDescription>{1,1}</spase:SpatialDescription> <spase:SpectralRange>{0,unbounded}</spase:SpectralRange> <spase:SimulatedRegion>{0,unbounded}</spase:SimulatedRegion> <spase:Caveats>{0,1}</spase:Caveats> <spase:Keyword>{0,unbounded}</spase:Keyword> <spase:InputResourceID>{0,unbounded}</spase:InputResourceID> <spase:Parameter>{0,unbounded}</spase:Parameter> <spase:SimulationProduct>{0,1}</spase:SimulationProduct> <spase:Property>{0,unbounded}</spase:Property> <spase:Extension>{0,1}</spase:Extension> </spase:NumericalOutput></pre>
Source	<code><xsd:element name="NumericalOutput" type="spase:NumericalOutput"/></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:NumericalOutput / spase:ResourceID

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ResourceID						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xsd:element name="ResourceID" type="spase:ResourceID" minOccurs="1" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:NumericalOutput / spase:ResourceHeader

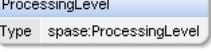
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ResourceHeader						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xsd:element name="ResourceHeader" type="spase:ResourceHeader" minOccurs="1" maxOccurs="1"/></code>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:NumericalOutput / spase:AccessInformation

Namespace	http://www.spase-group.org/data/schema				
Diagram					
Type	AccessInformation				
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1
content:	simple				
minOccurs:	1				

	maxOccurs:	unbounded
Source	<xsd:element name="AccessInformation" type="spase:AccessInformation" minOccurs="1" maxOccurs="unbounded" />	
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd	

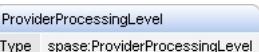
Element spase:NumericalOutput / spase:ProcessingLevel

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ProcessingLevel						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="ProcessingLevel" type="spase:ProcessingLevel" minOccurs="0" maxOccurs="1" />						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:NumericalOutput / spase:ProviderResourceName

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ProviderResourceName						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="ProviderResourceName" type="spase:ProviderResourceName" minOccurs="0" maxOccurs="1" />						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:NumericalOutput / spase:ProviderProcessingLevel

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ProviderProcessingLevel						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="ProviderProcessingLevel" type="spase:ProviderProcessingLevel" minOccurs="0" maxOccurs="1" />						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:NumericalOutput / spase:ProviderVersion

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	ProviderVersion
Properties	content: simple

	minOccurs:	0
	maxOccurs:	1
Source	<xsd:element name="ProviderVersion" type="spase:ProviderVersion" minOccurs="0" maxOccurs="1"/>	
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd	

Element spase:NumericalOutput / spase:SimulatedInstrumentID

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> classDiagram class SimulatedInstrumentID class spase::SimulatedInstrumentID { <<SimulatedInstrumentID>> } SimulatedInstrumentID "0..1" -- "1..1" spase::SimulatedInstrumentID </pre>						
Type	spase:SimulatedInstrumentID						
Type hierarchy	<ul style="list-style-type: none"> xsd:string spase:typeID spase:SimulatedInstrumentID 						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						
Facets	pattern [^:]+://[^/]+/.+						
Source	<xsd:element name="SimulatedInstrumentID" type="spase:SimulatedInstrumentID" minOccurs="0" maxOccurs="unbounded"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:NumericalOutput / spase:MeasurementType

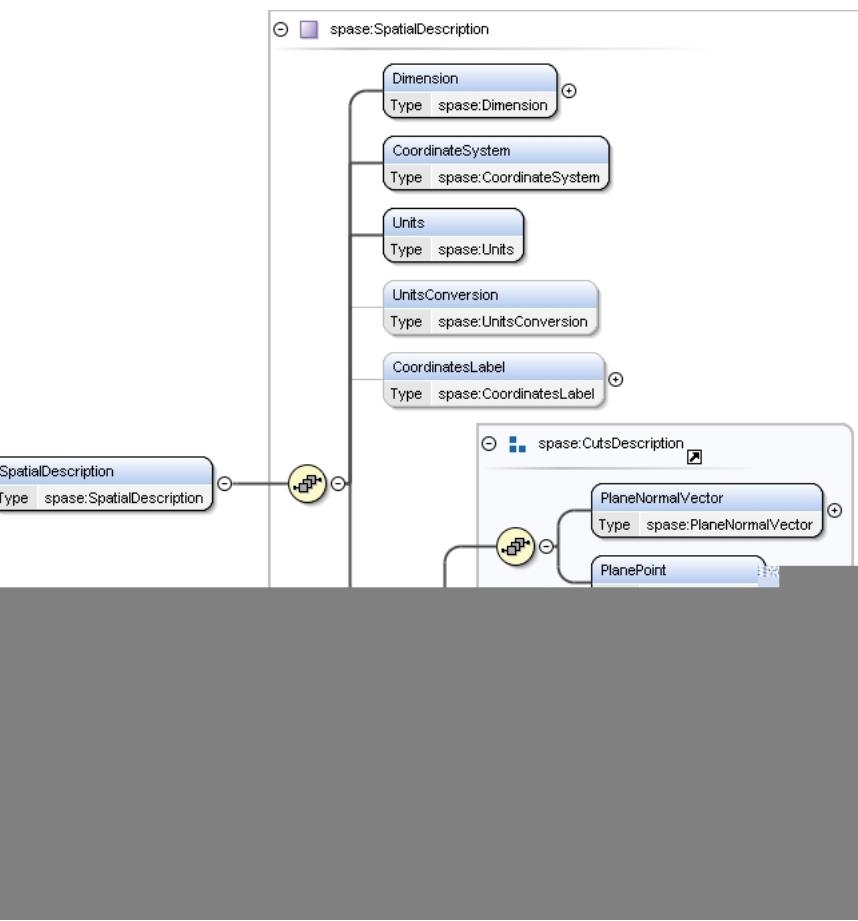
Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> classDiagram class MeasurementType class spase::MeasurementType { <<MeasurementType>> } MeasurementType "0..1" -- "1..1" spase::MeasurementType </pre>						
Type	MeasurementType						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	unbounded
content:	simple						
minOccurs:	1						
maxOccurs:	unbounded						
Source	<xsd:element name="MeasurementType" type="spase:MeasurementType" minOccurs="1" maxOccurs="unbounded"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:NumericalOutput / spase:TemporalDescription

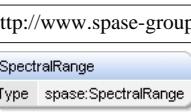
Namespace	http://www.spase-group.org/data/schema		
Diagram	<pre> classDiagram class TemporalDescription class spase::TemporalDescription { <<TemporalDescription>> } TemporalDescription "0..1" -- "1..1" spase::TemporalDescription </pre>		
Type	TemporalDescription		
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		
Source	<xsd:element name="TemporalDescription" type="spase:TemporalDescription"/>		
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd		

Element spase:NumericalOutput / spase:SpatialDescription

Namespace	http://www.spase-group.org/data/schema
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Diagram	
Type	spase:SpatialDescription
Properties	content: complex
Model	spase:Dimension , spase:CoordinateSystem , spase:Units , spase:UnitsConversion{0,1} , spase:CoordinatesLabel{0,1} , ((spase:PlaneNormalVector , spase:PlanePoint) (spase:RegionBegin , spase:RegionEnd)) , spase:Step{0,1}
Children	spase:CoordinateSystem, spase:CoordinatesLabel, spase:Dimension, spase:PlaneNormalVector, spase:PlanePoint, spase:RegionBegin, spase:RegionEnd, spase:Step, spase:Units, spase:UnitsConversion
Instance	<pre><spase:SpatialDescription xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Dimension>{1,1}</spase:Dimension> <spase:CoordinateSystem>{1,1}</spase:CoordinateSystem> <spase:Units>{1,1}</spase:Units> <spase:UnitsConversion>{0,1}</spase:UnitsConversion> <spase:CoordinatesLabel>{0,1}</spase:CoordinatesLabel> <spase:PlaneNormalVector>{1,1}</spase:PlaneNormalVector> <spase:PlanePoint>{1,1}</spase:PlanePoint> <spase:RegionBegin>{1,1}</spase:RegionBegin> <spase:RegionEnd>{1,1}</spase:RegionEnd> <spase:Step>{0,1}</spase:Step> </spase:SpatialDescription></pre>
Source	<code><xsd:element name="SpatialDescription" type="spase:SpatialDescription"/></code>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:NumericalOutput / spase:SpectralRange

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	SpectralRange
Properties	content: simple minOccurs: 0

	maxOccurs:	unbounded
Source	<xsd:element name="SpectralRange" type="spase:SpectralRange" minOccurs="0" maxOccurs="unbounded" />	
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd	

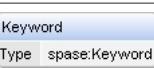
Element spase:NumericalOutput / spase:SimulatedRegion

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:SimulatedRegion						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						
Source	<xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="unbounded" />						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

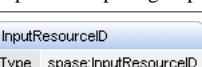
Element spase:NumericalOutput / spase:Caveats

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	Caveats						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1" />						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:NumericalOutput / spase:Keyword

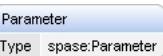
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	Keyword						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	unbounded
content:	simple						
minOccurs:	0						
maxOccurs:	unbounded						
Source	<xsd:element name="Keyword" type="spase:Keyword" minOccurs="0" maxOccurs="unbounded" />						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:NumericalOutput / spase:InputResourceID

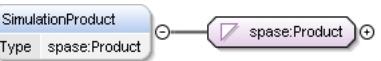
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	InputResourceID

Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="InputResourceID" type="spase:InputResourceID" minOccurs="0" maxOccurs="unbounded" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:NumericalOutput / spase:Parameter

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	Parameter
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="Parameter" type="spase:Parameter" minOccurs="0" maxOccurs="unbounded" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

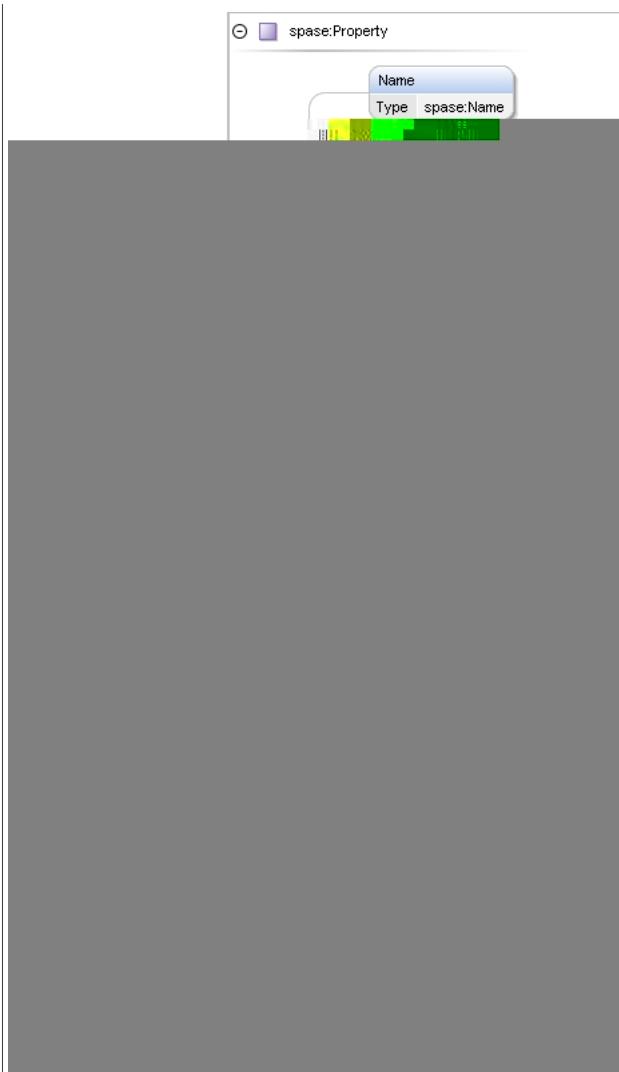
Element spase:NumericalOutput / spase:SimulationProduct

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:Product
Properties	content: simple minOccurs: 0 maxOccurs: 1
Facets	enumeration 2DCuts enumeration 3DCubes enumeration Lines enumeration SpatialSeries enumeration Spectra enumeration TimeSeries
Source	<xsd:element name="SimulationProduct" type="spase:Product" minOccurs="0" maxOccurs="1" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:NumericalOutput / spase:Property

Namespace	http://www.spase-group.org/data/schema
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Diagram



Type	spase:Property
Properties	content: complex
	minOccurs: 0
	maxOccurs: unbounded
Model	spase:Name{0,1} , spase:Description{0,1} , spase:Caveats{0,1} , spase:PropertyQuantity , spase:Qualifier* , spase:Units{0,1} , spase:UnitsConversion{0,1} , spase:PropertyLabel{0,1} , spase:PropertyValue{0,1} , spase:PropertyTableURL{0,1} , spase:ValidMin{0,1} , spase:ValidMax{0,1} , spase:PropertyModel{0,1} , spase:ModelURL{0,1}
Children	spase:Caveats, spase:Description, spase:ModelURL, spase:Name, spase:PropertyLabel, spase:PropertyModel, spase:PropertyQuantity, spase:PropertyTableURL, spase:PropertyValue, spase:Qualifier, spase:Units, spase:UnitsConversion, spase:ValidMax, spase:ValidMin
Instance	<pre> <spase:Property xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Name>{0,1}</spase:Name> <spase:Description>{0,1}</spase:Description> <spase:Caveats>{0,1}</spase:Caveats> <spase:PropertyQuantity>{1,1}</spase:PropertyQuantity> <spase:Qualifier>{0,unbounded}</spase:Qualifier> <spase:Units>{0,1}</spase:Units> <spase:UnitsConversion>{0,1}</spase:UnitsConversion> <spase:PropertyLabel>{0,1}</spase:PropertyLabel> <spase:PropertyValue>{0,1}</spase:PropertyValue> <spase:PropertyTableURL>{0,1}</spase:PropertyTableURL> <spase:ValidMin>{0,1}</spase:ValidMin> <spase:ValidMax>{0,1}</spase:ValidMax> <spase:PropertyModel>{0,1}</spase:PropertyModel> <spase:ModelURL>{0,1}</spase:ModelURL> </spase:Property></pre>
Source	<xsd:element name="Property" type="spase:Property" minOccurs="0" maxOccurs="unbounded"/>

Schema
location

file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:NumericalOutput / spase:Extension

Namespace	http://www.spase-group.org/data/schema
Diagram	<pre> classDiagram class Extension { <<Extension>> <<spase:Extension>> } class spaseExtension { <<spase:Extension>> } Extension < -- spaseExtension Extension "0..infinity" *-- "#other" spaseExtension </pre>
Type	spase:Extension
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	ANY element from ANY namespace OTHER than 'http://www.spase-group.org/data/schema'
Source	<xsd:element name="Extension" type="spase:Extension" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:Spase / spase:DisplayOutput

Namespace | http://www.spase-group.org/data/schema

Diagram	<pre> classDiagram class spase:DisplayOutput { spase:ResourceId spase:ResourceHeader * spase:AccessInformation spase:ProcessingLevel spase:ProviderResourceName spase:ProviderProcessingLevel } spase:DisplayOutput "1..>" spase:AccessInformation spase:DisplayOutput "*" spase:ProviderProcessingLevel </pre>
Type	spase:DisplayOutput
Properties	content: complex
Model	<p>spase:ResourceId , spase:ResourceHeader , spase:AccessInformation+ , spase:ProcessingLevel{0,1} , spase:ProviderResourceName{0,1} , spase:ProviderProcessingLevel{0,1} , spase:ProviderVersion{0,1} , spase:SimulatedInstrumentID* , spase:MeasurementType+ , (spase:TemporalDescription spase:SpatialDescription) , spase:SpectralRange* , spase:DisplayCadence{0,1} , spase:SimulatedRegion* , spase:Caveats{0,1} , spase:Keyword* , spase:InputResourceID* , spase:Parameter* , spase:SimulationProduct{0,1} , spase:Property* , spase:Extension{0,1}</p>

Children	spase:AccessInformation, spase:Caveats, spase:DisplayCadence, spase:Extension, spase:InputResourceID, spase:Keyword, spase:MeasurementType, spase:Parameter, spase:ProcessingLevel, spase:Property, spase:ProviderProcessingLevel, spase:ProviderResourceName, spase:ProviderVersion, spase:ResourceHeader, spase:ResourceID, spase:SimulatedInstrumentID, spase:SimulatedRegion, spase:SimulationProduct, spase:SpatialDescription, spase:SpectralRange, spase:TemporalDescription
Instance	<pre><spase:DisplayOutput xmlns:spase="http://www.spase-group.org/data/schema"> <spase:ResourceID>{1,1}</spase:ResourceID> <spase:ResourceHeader>{1,1}</spase:ResourceHeader> <spase:AccessInformation>{1,unbounded}</spase:AccessInformation> <spase:ProcessingLevel>{0,1}</spase:ProcessingLevel> <spase:ProviderResourceName>{0,1}</spase:ProviderResourceName> <spase:ProviderProcessingLevel>{0,1}</spase:ProviderProcessingLevel> <spase:ProviderVersion>{0,1}</spase:ProviderVersion> <spase:SimulatedInstrumentID>{0,unbounded}</spase:SimulatedInstrumentID> <spase:MeasurementType>{1,unbounded}</spase:MeasurementType> <spase:TemporalDescription>{1,1}</spase:TemporalDescription> <spase:SpatialDescription>{1,1}</spase:SpatialDescription> <spase:SpectralRange>{0,unbounded}</spase:SpectralRange> <spase:DisplayCadence>{0,1}</spase:DisplayCadence> <spase:SimulatedRegion>{0,unbounded}</spase:SimulatedRegion> <spase:Caveats>{0,1}</spase:Caveats> <spase:Keyword>{0,unbounded}</spase:Keyword> <spase:InputResourceID>{0,unbounded}</spase:InputResourceID> <spase:Parameter>{0,unbounded}</spase:Parameter> <spase:SimulationProduct>{0,1}</spase:SimulationProduct> <spase:Property>{0,unbounded}</spase:Property> <spase:Extension>{0,1}</spase:Extension> </spase:DisplayOutput></pre>
Source	<xsd:element name="DisplayOutput" type="spase:DisplayOutput" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:ResourceID

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ResourceID						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<xsd:element name="ResourceID" type="spase:ResourceID" minOccurs="1" maxOccurs="1" />						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:DisplayOutput / spase:ResourceHeader

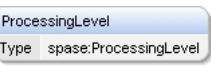
Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	ResourceHeader						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<xsd:element name="ResourceHeader" type="spase:ResourceHeader" minOccurs="1" maxOccurs="1" />						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:DisplayOutput / spase:AccessInformation

Namespace	http://www.spase-group.org/data/schema
Diagram	

Type	AccessInformation
Properties	content: simple minOccurs: 1 maxOccurs: unbounded
Source	<xsd:element name="AccessInformation" type="spase:AccessInformation" minOccurs="1" maxOccurs="unbounded" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:ProcessingLevel

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	ProcessingLevel
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="ProcessingLevel" type="spase:ProcessingLevel" minOccurs="0" maxOccurs="1" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:ProviderResourceName

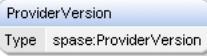
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	ProviderResourceName
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="ProviderResourceName" type="spase:ProviderResourceName" minOccurs="0" maxOccurs="1" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:ProviderProcessingLevel

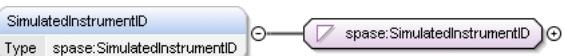
Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	ProviderProcessingLevel
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="ProviderProcessingLevel" type="spase:ProviderProcessingLevel" minOccurs="0" maxOccurs="1" />
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:ProviderVersion

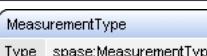
Namespace	http://www.spase-group.org/data/schema
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Diagram	
Type	ProviderVersion
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: 1</p>
Source	<xsd:element name="ProviderVersion" type="spase:ProviderVersion" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

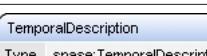
Element spase:DisplayOutput / spase:SimulatedInstrumentID

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	spase:SimulatedInstrumentID
Type hierarchy	<ul style="list-style-type: none"> xsd:string <ul style="list-style-type: none"> spase:typeID spase:SimulatedInstrumentID
Properties	<p>content: simple</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Facets	pattern [^:]+://[^/]+/.+
Source	<xsd:element name="SimulatedInstrumentID" type="spase:SimulatedInstrumentID" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:MeasurementType

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	MeasurementType
Properties	<p>content: simple</p> <p>minOccurs: 1</p> <p>maxOccurs: unbounded</p>
Source	<xsd:element name="MeasurementType" type="spase:MeasurementType" minOccurs="1" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:TemporalDescription

Namespace	http://www.spase-group.org/data/schema
Diagram	
Type	TemporalDescription
Properties	content: simple
Source	<xsd:element name="TemporalDescription" type="spase:TemporalDescription"/>

Schema
location

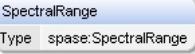
file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:SpatialDescription

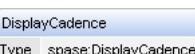
Namespace	http://www.spase-group.org/data/schema
Diagram	<pre> classDiagram class spase:SpatialDescription { Dimension CoordinateSystem Units UnitsConversion CoordinatesLabel } class SpatialDescription { <<spase:SpatialDescription>> } class spase:CutsDescription { <<spase:CutsDescription>> PlaneNormalVector PlanePoint } class Step SpatialDescription "0..1" -- "1..1" Dimension SpatialDescription "0..1" -- "1..1" CoordinateSystem SpatialDescription "0..1" -- "1..1" Units SpatialDescription "0..1" -- "1..1" UnitsConversion SpatialDescription "0..1" -- "1..1" CoordinatesLabel SpatialDescription "0..1" -- "1..1" CutsDescription Step "0..1" -- "1..1" CutsDescription </pre>
Type	spase:SpatialDescription
Properties	content: complex
Model	spase:Dimension , spase:CoordinateSystem , spase:Units , spase:UnitsConversion{0,1} , spase:CoordinatesLabel{0,1} , ((spase:PlaneNormalVector , spase:PlanePoint) (spase:RegionBegin , spase:RegionEnd)) , spase:Step{0,1}
Children	spase:CoordinateSystem, spase:CoordinatesLabel, spase:Dimension, spase:PlaneNormalVector, spase:PlanePoint, spase:RegionBegin, spase:RegionEnd, spase:Step, spase:Units, spase:UnitsConversion
Instance	<pre> <spase:SpatialDescription xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Dimension>{1,1}</spase:Dimension> <spase:CoordinateSystem>{1,1}</spase:CoordinateSystem> <spase:Units>{1,1}</spase:Units> <spase:UnitsConversion>{0,1}</spase:UnitsConversion> <spase:CoordinatesLabel>{0,1}</spase:CoordinatesLabel> <spase:PlaneNormalVector>{1,1}</spase:PlaneNormalVector> <spase:PlanePoint>{1,1}</spase:PlanePoint> <spase:RegionBegin>{1,1}</spase:RegionBegin> <spase:RegionEnd>{1,1}</spase:RegionEnd> <spase:Step>{0,1}</spase:Step> </spase:SpatialDescription> </pre>
Source	<xsd:element name="SpatialDescription" type="spase:SpatialDescription"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:SpectralRange

Namespace http://www.spase-group.org/data/schema

Diagram	 Type spase:SpectralRange
Type	SpectralRange
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="SpectralRange" type="spase:SpectralRange" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

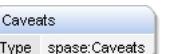
Element spase:DisplayOutput / spase:DisplayCadence

Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:DisplayCadence
Type	DisplayCadence
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="DisplayCadence" type="spase:DisplayCadence" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:SimulatedRegion

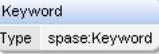
Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:SimulatedRegion
Type	spase:SimulatedRegion
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:Caveats

Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:Caveats
Type	Caveats
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:Keyword

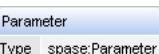
Namespace	http://www.spase-group.org/data/schema
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Diagram	 Type spase:Keyword
Type	Keyword
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="Keyword" type="spase:Keyword" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

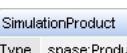
Element spase:DisplayOutput / spase:InputResourceID

Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:InputResourceID
Type	InputResourceID
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="InputResourceID" type="spase:InputResourceID" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:Parameter

Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:Parameter
Type	Parameter
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xsd:element name="Parameter" type="spase:Parameter" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:SimulationProduct

Namespace	http://www.spase-group.org/data/schema
Diagram	 Type spase:Product
Type	spase:Product
Properties	content: simple minOccurs: 0 maxOccurs: 1
Facets	enumeration 2DCuts enumeration 3DCubes enumeration Lines enumeration SpatialSeries

	enumeration	Spectra
	enumeration	TimeSeries
Source	<xsd:element name="SimulationProduct" type="spase:Product" minOccurs="0" maxOccurs="1"/>	
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd	

Element spase:DisplayOutput / spase:Property

Namespace	http://www.spase-group.org/data/schema						
Diagram							
Type	spase:Property						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	spase:Name{0,1} , spase:Description{0,1} , spase:Caveats{0,1} , spase:PropertyQuantity , spase:Qualifier* , spase:Units{0,1} , spase:UnitsConversion{0,1} , spase:PropertyLabel{0,1} , spase:PropertyValue{0,1} , spase:PropertyTableURL{0,1} , spase:ValidMin{0,1} , spase:ValidMax{0,1} , spase:PropertyModel{0,1} , spase:ModelURL{0,1}						
Children	spase:Caveats, spase:Description, spase:ModelURL, spase:Name, spase:PropertyLabel, spase:PropertyModel, spase:PropertyQuantity, spase:PropertyTableURL, spase:PropertyValue, spase:Qualifier, spase:Units, spase:UnitsConversion, spase:ValidMax, spase:ValidMin						
Instance	<pre> <spase:Property xmlns:spase="http://www.spase-group.org/data/schema"> <spase:Name>{0,1}</spase:Name> <spase:Description>{0,1}</spase:Description> <spase:Caveats>{0,1}</spase:Caveats> <spase:PropertyQuantity>{1,1}</spase:PropertyQuantity> <spase:Qualifier>{0,unbounded}</spase:Qualifier> </pre>						

	<pre> <spase:Units>{0,1}</spase:Units> <spase:UnitsConversion>{0,1}</spase:UnitsConversion> <spase:PropertyLabel>{0,1}</spase:PropertyLabel> <spase:PropertyValue>{0,1}</spase:PropertyValue> <spase:PropertyTableURL>{0,1}</spase:PropertyTableURL> <spase:ValidMin>{0,1}</spase:ValidMin> <spase:ValidMax>{0,1}</spase:ValidMax> <spase:PropertyModel>{0,1}</spase:PropertyModel> <spase:ModelURL>{0,1}</spase:ModelURL> </spase:Property> </pre>
Source	<xsd:element name="Property" type="spase:Property" minOccurs="0" maxOccurs="unbounded"/>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element spase:DisplayOutput / spase:Extension

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> classDiagram class Extension { <<Extension>> <<Type>> spase:Extension } class Extension { <<spase:Extension>> } Extension "0..*" -- "##other" Extension </pre>						
Type	spase:Extension						
Properties	<table> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	ANY element from ANY namespace OTHER than 'http://www.spase-group.org/data/schema'						
Source	<xsd:element name="Extension" type="spase:Extension" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:typeElementBoundary / spase:BackWall

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> classDiagram class BackWall { <<BackWall>> <<Type>> spase:BackWall } class BackWall { <<spase:BackWall>> } BackWall "0..*" -- "spase:BackWall" BackWall </pre>						
Type	spase:BackWall						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="BackWall" type="spase:BackWall" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:typeElementBoundary / spase:Caveats

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> classDiagram class Caveats { <<Caveats>> <<Type>> base:Caveats } class Caveats { <<base:Caveats>> } </pre>						
Type	Caveats						
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="Caveats" type="base:Caveats" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:typeElementBoundary / spase:FrontWall

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> classDiagram class FrontWall { <<Type spase:FrontWall>> } class spase { <<FrontWall>> <<spase:FrontWall>> } FrontWall < -- spase:FrontWall </pre>						
Type	spase:FrontWall						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="FrontWall" type="spase:FrontWall" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Element spase:typeElementBoundary / spase:Obstacle

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> classDiagram class Obstacle { <<Type spase:Obstacle>> } class spase { <<Obstacle>> <<spase:Obstacle>> } Obstacle < -- spase:Obstacle </pre>						
Type	spase:Obstacle						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="Obstacle" type="spase:Obstacle" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

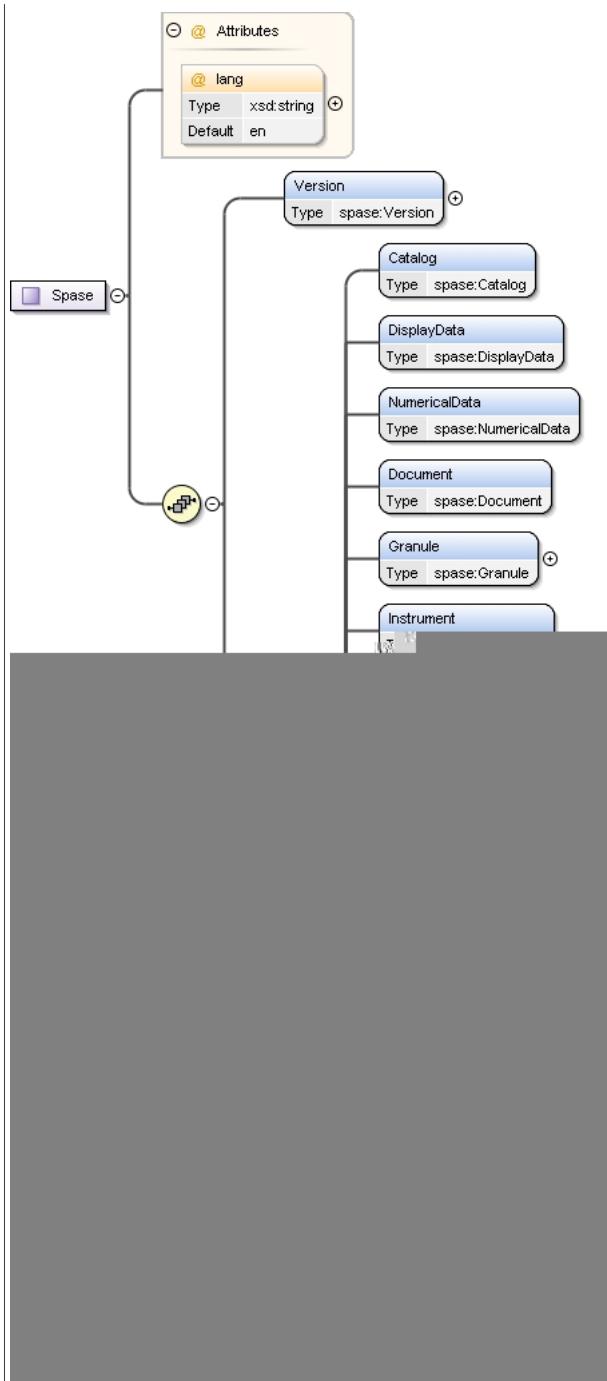
Element spase:typeElementBoundary / spase:SideWall

Namespace	http://www.spase-group.org/data/schema						
Diagram	<pre> classDiagram class SideWall { <<Type spase:SideWall>> } class spase { <<SideWall>> <<spase:SideWall>> } SideWall < -- spase:SideWall </pre>						
Type	spase:SideWall						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>1</td> </tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<xsd:element name="SideWall" type="spase:SideWall" minOccurs="0" maxOccurs="1"/>						
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd						

Complex Type(s)**Complex Type spase:Spase**

Namespace	http://www.spase-group.org/data/schema
Annotations	Overrides Spase in the base schema. Space Physics Archive Search and Extract (SPASE). The outermost container or envelope for SPASE metadata. This indicates the start of the SPASE metadata.

Diagram

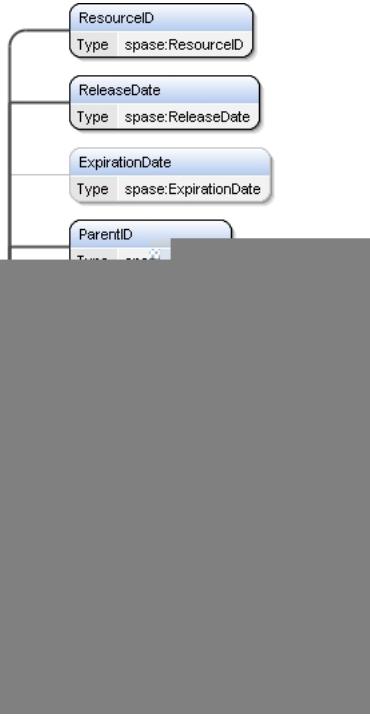


Used by	Element	spase:Spase
Model		spase:Version , (spase:Catalog spase:DisplayData spase:NumericalData spase:Document spase:Granule spase:Instrument spase:Observatory spase:Person spase:Registry spase:Repository spase:Service spase:Annotation spase:SimulationModel spase:SimulationRun spase:NumericalOutput spase:DisplayOutput)
Children		spase:Annotation, spase:Catalog, spase:DisplayData, spase:DisplayOutput, spase:Document, spase:Granule, spase:Instrument, spase:NumericalData, spase:NumericalOutput, spase:Observatory, spase:Person, spase:Registry, spase:Repository, spase:Service, spase:SimulationModel, spase:SimulationRun, spase:Version
Attributes	QName	Type
	lang	xsd:string
		Default
		en
		Use
		optional
Source	<pre> <xsd:complexType name="Spase"> <xsd:annotation> <xsd:documentation xml:lang="en">Overrides Spase in the base schema. Space Physics Archive Search and Extract (SPASE). The outermost container or envelope for SPASE metadata. This indicates the start of the SPASE metadata.</xsd:documentation> </xsd:annotation> </pre>	

	<pre> <xsd:sequence> <xsd:element name="Version" type="spase:Version" minOccurs="1" maxOccurs="1"/> <xsd:choice minOccurs="1" maxOccurs="unbounded"> <xsd:element name="Catalog" type="spase:Catalog"/> <!-- defined in --> <xsd:element name="DisplayData" type="spase:DisplayData"/> <!-- defined in --> <xsd:element name="NumericalData" type="spase:NumericalData"/> <!-- defined in --> <xsd:element name="Document" type="spase:Document"/> <!-- defined in --> <xsd:element name="Granule" type="spase:Granule"/> <xsd:element name="Instrument" type="spase:Instrument"/> <!-- defined in --> <xsd:element name="Observatory" type="spase:Observatory"/> <!-- defined in --> <xsd:element name="Person" type="spase:Person"/> <!-- defined in --> <xsd:element name="Registry" type="spase:Registry"/> <!-- defined in --> <xsd:element name="Repository" type="spase:Repository"/> <!-- defined in --> <xsd:element name="Service" type="spase:Service"/> <!-- defined in --> <xsd:element name="Annotation" type="spase:Annotation"/> <!-- defined in --> <xsd:element name="SimulationModel" type="spase:SimulationModel"/> <xsd:element name="SimulationRun" type="spase:SimulationRun"/> <xsd:element name="NumericalOutput" type="spase:NumericalOutput"/> <xsd:element name="DisplayOutput" type="spase:DisplayOutput"/> </xsd:choice> </xsd:sequence> <xsd:attribute name="lang" type="xsd:string" default="en"/> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type **spase:Granule**

Namespace	http://www.spase-group.org/data/schema
Annotations	<p>Overrides Granule in base schema. An accessible portion of another resource. A Granule may be composed of one or more physical pieces (files) which are considered inseparable. For example, a data storage format that maintains metadata and binary data in separate, but tightly coupled files. Granules should not be used to group files that have simple relationships or which are associated through a parent resource. For example, each file containing a time interval data for a Numerical Data resource would each be considered a Granule. The ParentID of a Granule resource must be a NumericalData resource. The attributes of a Granule supersede the corresponding attributes in the NumericalData resource.</p>

Diagram	
Used by	Element spase:Spase/spase:Granule
Model	spase:ResourceID , spase:ReleaseDate , spase:ExpirationDate{0,1} , spase:ParentID , spase:PriorID* , (spase:StartDate spase:RegionBegin) , (spase:StopDate spase:RegionEnd) , spase:Source+
Children	spase:ExpirationDate, spase:ParentID, spase:PriorID, spase:RegionBegin, spase:RegionEnd, spase:ReleaseDate, spase:ResourceID, spase:Source, spase:StartDate, spase:StopDate
Source	<pre> <xsd:complexType name="Granule"> <xsd:annotation> <xsd:documentation xml:lang="en">Overrides Granule in base schema. An accessible portion of another resource. A Granule may be composed of one or more physical pieces (files) which are considered inseparable. For example, a data storage format that maintains metadata and binary data in separate, but tightly coupled files. Granules should not be used to group files that have simple relationships or which are associated through a parent resource. For example, each file containing a time interval data for a Numerical Data resource would each be considered a Granule. The ParentID of a Granule resource must be a NumericalData resource. The attributes of a Granule supersede the corresponding attributes in the NumericalData resource.</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="ResourceID" type="spase:ResourceID" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="ReleaseDate" type="spase:ReleaseDate" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="ExpirationDate" type="spase:ExpirationDate" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="ParentID" type="spase:ParentID" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="PriorID" type="spase:PriorID" minOccurs="0" maxOccurs="unbounded"/> <!-- defined in --> <xsd:choice minOccurs="1" maxOccurs="1"> <xsd:element name="StartDate" type="spase:StartDate"/> <!-- defined in --> <xsd:element name="RegionBegin" type="spase:RegionBegin"/> </xsd:choice> <xsd:choice minOccurs="1" maxOccurs="1"> <xsd:element name="StopDate" type="spase:StopDate"/> <!-- defined in --> <xsd:element name="RegionEnd" type="spase:RegionEnd"/> </xsd:choice> <xsd:element name="Source" type="spase:Source" minOccurs="1" maxOccurs="unbounded"/> <!-- defined in --> </xsd:sequence> </xsd:complexType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:SimulationModel

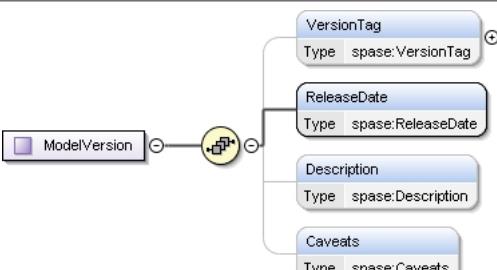
Namespace	http://www.spase-group.org/data/schema
Annotations	Descriptor of a simulation model: type of numerical scheme, versions,...
Diagram	<pre> classDiagram class ResourceID { Type spase:ResourceID } class ResourceHeader { Type spase:ResourceHeader } class Versions { Type spase:Versions } class SimulationType { Type spase:SimulationType } class CodeLanguage { Type spase:CodeLanguage } ResourceID < -- ResourceHeader ResourceHeader < -- Versions ResourceHeader < -- SimulationType ResourceHeader < -- CodeLanguage </pre>
Used by	Element spase:Spase/spase:SimulationModel
Model	spase:ResourceID , spase:ResourceHeader , spase:Versions{0,1} , spase:SimulationType , spase:CodeLanguage{0,1} , spase:TemporalDependence{0,1} , spase:SpatialDescription{0,1} , spase:SimulatedRegion* , spase:InputProperties{0,1} , spase:OutputParameters{0,1} , spase:ModelURL{0,1}
Children	spase:CodeLanguage, spase:InputProperties, spase:ModelURL, spase:OutputParameters, spase:ResourceHeader, spase:ResourceID, spase:SimulatedRegion, spase:SimulationType, spase:SpatialDescription, spase:TemporalDependence, spase:Versions
Source	<pre> <xsd:complexType name="SimulationModel"> <xsd:annotation> <xsd:documentation xml:lang="en">Descriptor of a simulation model: type of numerical scheme, versions,....</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="ResourceID" type="spase:ResourceID" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="ResourceHeader" type="spase:ResourceHeader" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Versions" type="spase:Versions" minOccurs="0" maxOccurs="1"/> <xsd:element name="SimulationType" type="spase:SimulationType" minOccurs="1" maxOccurs="1"/> <xsd:element name="CodeLanguage" type="spase:CodeLanguage" minOccurs="0" maxOccurs="1"/> <xsd:element name="TemporalDependence" type="spase:YN" minOccurs="0" maxOccurs="1"/> <xsd:element name="SpatialDescription" type="spase:SpatialDescription" minOccurs="0" maxOccurs="1"/> <xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="unbounded"/> <xsd:element name="InputProperties" type="spase:InputProperties" minOccurs="0" maxOccurs="1"/> <xsd:element name="OutputParameters" type="spase:OutputParameters" minOccurs="0" maxOccurs="1"/> <xsd:element name="ModelURL" type="spase:ModelURL" minOccurs="0" maxOccurs="1"/> </xsd:sequence> </xsd:complexType> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:Versions

Namespace	http://www.spase-group.org/data/schema
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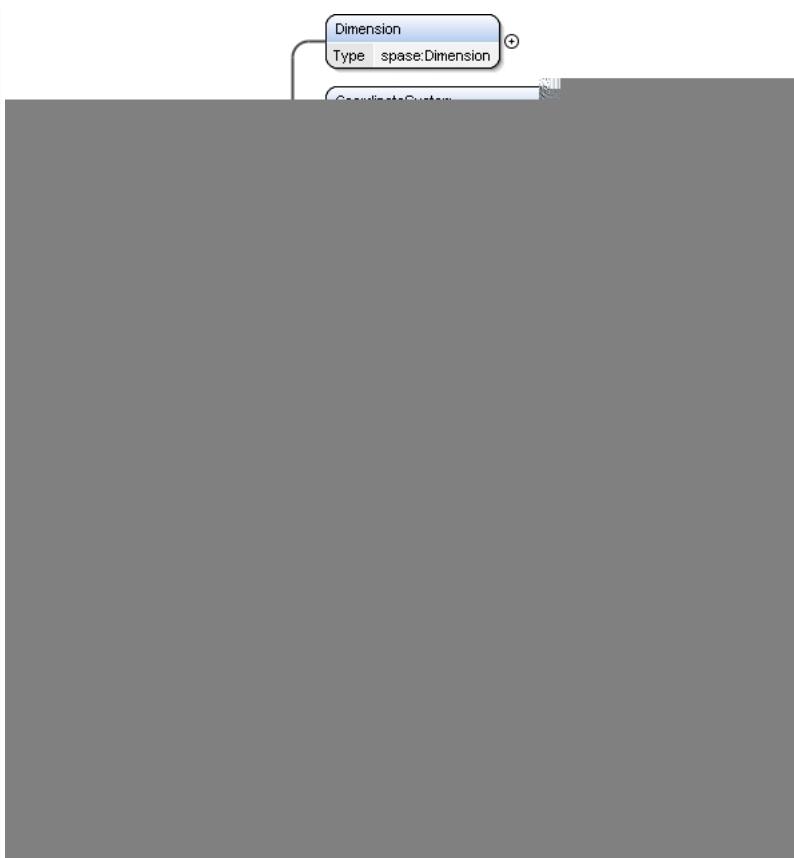
Annotations	A container of one or more sets of version information.
Diagram	
Used by	Element spase:SimulationModel/spase:Versions
Model	spase:ModelVersion*
Children	spase:ModelVersion
Source	<pre><xsd:complexType name="Versions"> <xsd:annotation> <xsd:documentation xml:lang="en">A container of one or more sets of version information.</ xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="ModelVersion" type="spase:ModelVersion" minOccurs="0" maxOccurs="unbounded" /> </xsd:sequence> </xsd:complexType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:ModelVersion

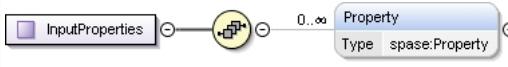
Namespace	http://www.spase-group.org/data/schema
Annotations	The version number of the model.
Diagram	
Used by	Element spase:Versions/spase:ModelVersion
Model	spase:VersionTag{0,1} , spase:ReleaseDate , spase:Description{0,1} , spase:Caveats{0,1}
Children	spase:Caveats, spase:Description, spase:ReleaseDate, spase:VersionTag
Source	<pre><xsd:complexType name="ModelVersion"> <xsd:annotation> <xsd:documentation xml:lang="en">The version number of the model.</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="VersionTag" type="spase:VersionTag" minOccurs="0" maxOccurs="1"/> <xsd:element name="ReleaseDate" type="spase:ReleaseDate" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/> <!-- defined in --> </xsd:sequence> </xsd:complexType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:SpatialDescription

Namespace	http://www.spase-group.org/data/schema
Annotations	A characterization of the spatial extent over which the measurement was taken.

Diagram	
Used by	Elements spase:DisplayOutput/spase:SpatialDescription, spase:NumericalOutput/spase:SpatialDescription, spase:SimulationModel/spase:SpatialDescription
Model	spase:Dimension , spase:CoordinateSystem , spase:Units , spase:UnitsConversion{0,1} , spase:CoordinatesLabel{0,1} , ((spase:PlaneNormalVector , spase:PlanePoint) (spase:RegionBegin , spase:RegionEnd)) , spase:Step{0,1}
Children	spase:CoordinateSystem, spase:CoordinatesLabel, spase:Dimension, spase:PlaneNormalVector, spase:PlanePoint, spase:RegionBegin, spase:RegionEnd, spase:Step, spase:Units, spase:UnitsConversion
Source	<pre> <xsd:complexType name="SpatialDescription"> <xsd:annotation> <xsd:documentation xml:lang="en">A characterization of the spatial extent over which the measurement was taken.</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="Dimension" type="spase:Dimension" minOccurs="1" maxOccurs="1"/> <xsd:element name="CoordinateSystem" type="spase:CoordinateSystem" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Units" type="spase:Units" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="UnitsConversion" type="spase:UnitsConversion" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="CoordinatesLabel" type="spase:CoordinatesLabel" minOccurs="0" maxOccurs="1"/> <xsd:choice minOccurs="1" maxOccurs="1"> <xsd:group ref="spase:CutsDescription"/> <xsd:group ref="spase:CubesDescription"/> </xsd:choice> <xsd:element name="Step" type="spase:Step" minOccurs="0" maxOccurs="1"/> </xsd:sequence> </xsd:complexType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:InputProperties

Namespace	http://www.spase-group.org/data/schema
Annotations	Properties
Diagram	

Used by	Element spase:SimulationModel/spase:InputProperties
Model	spase:Property*
Children	spase:Property
Source	<pre><xsd:complexType name="InputProperties"> <xsd:annotation> <xsd:documentation xml:lang="en">Properties</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="Property" type="spase:Property" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:Property

Namespace	http://www.spase-group.org/data/schema
Annotations	A container of information regarding a property of an input parameter.
Diagram	<pre> classDiagram class Property { Name Description Caveats PropertyQuantity Qualifier Units UnitsConversion PropertyLabel PropertyValue PropertyTableURL ValidMin ValidMax PropertyModel ModelURL } Property < -- PropertyQuantity Property < -- Qualifier Property < -- Units Property < -- UnitsConversion Property < -- PropertyLabel Property < -- PropertyValue Property < -- PropertyTableURL Property < -- ValidMin Property < -- ValidMax Property < -- PropertyModel Property < -- ModelURL </pre>
Used by	Elements spase:DisplayOutput/spase:Property, spase:InputParameter/spase:Property, spase:InputProperties/spase:Property, spase:NumericalOutput/spase:Property, spase:RegionParameter/spase:Property
Model	spase:Name{0,1}, spase:Description{0,1}, spase:Caveats{0,1}, spase:PropertyQuantity, spase:Qualifier*, spase:Units{0,1}, spase:UnitsConversion{0,1}, spase:PropertyLabel{0,1}, spase:PropertyValue{0,1}, spase:PropertyTableURL{0,1}, spase:ValidMin{0,1}, spase:ValidMax{0,1}, spase:PropertyModel{0,1}, spase:ModelURL{0,1}
Children	spase:Caveats, spase:Description, spase:ModelURL, spase:Name, spase:PropertyLabel, spase:PropertyModel, spase:PropertyQuantity, spase:PropertyTableURL, spase:PropertyValue, spase:Qualifier, spase:Units, spase:UnitsConversion, spase:ValidMax, spase:ValidMin
Source	<pre><xsd:complexType name="Property"></pre>

	<pre> <xsd:annotation> <xsd:documentation xml:lang="en">A container of information regarding a property of an input parameter.</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="Name" type="spase:Name" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="PropertyQuantity" type="spase:ParameterQuantity" minOccurs="1" maxOccurs="1"/> > <xsd:element name="Qualifier" type="spase:Qualifier" minOccurs="0" maxOccurs="unbounded"/> <!-- defined in --> <xsd:element name="Units" type="spase:Units" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="UnitsConversion" type="spase:UnitsConversion" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="PropertyLabel" type="spase:PropertyLabel" minOccurs="0" maxOccurs="1"/> <xsd:element name="PropertyValue" type="spase:PropertyValue" minOccurs="0" maxOccurs="1"/> <xsd:element name="PropertyTableURL" type="spase:PropertyTableURL" minOccurs="0" maxOccurs="1"/> <xsd:element name="ValidMin" type="spase:ValidMin" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="ValidMax" type="spase:ValidMax" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="PropertyModel" type="spase:PropertyModel" minOccurs="0" maxOccurs="1"/> <xsd:element name="ModelURL" type="spase:ModelURL" minOccurs="0" maxOccurs="1"/> </xsd:sequence> </xsd:complexType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

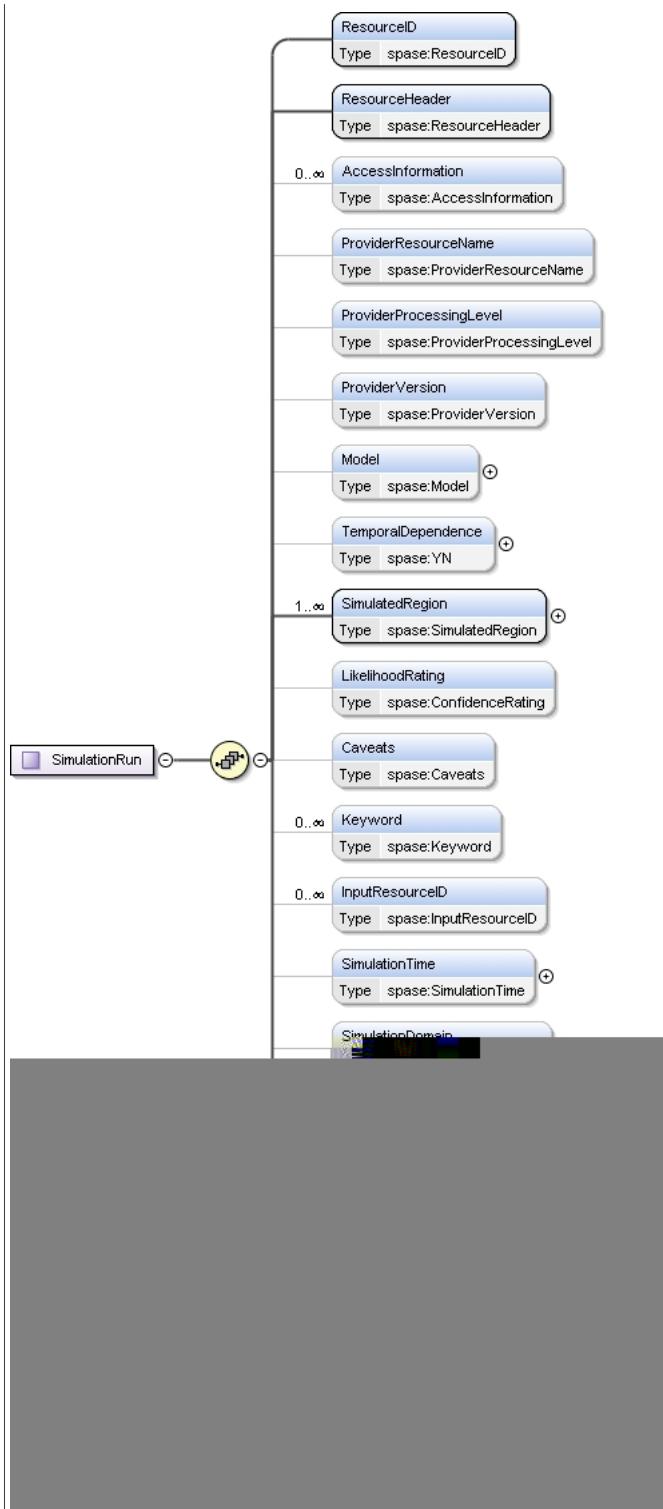
Complex Type spase:OutputParameters

Namespace	http://www.spase-group.org/data/schema
Annotations	A container of information regarding the output parameters of the simulation run.
Diagram	<pre> classDiagram class OutputParameters { <<Parameter>> } class Parameter { <<spase:Parameter>> } OutputParameters "0..>> Parameter </pre>
Used by	Element spase:SimulationModel/spase:OutputParameters
Model	spase:Parameter*
Children	spase:Parameter
Source	<pre> <xsd:complexType name="OutputParameters"> <xsd:annotation> <xsd:documentation xml:lang="en">A container of information regarding the output parameters of the simulation run.</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="Parameter" type="spase:Parameter" minOccurs="0" maxOccurs="unbounded"/> <!-- defined in --> </xsd:sequence> </xsd:complexType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:SimulationRun

Namespace	http://www.spase-group.org/data/schema
Annotations	Description of a simulation run, including the code ID, the run spatial and temporal description, and all the relevant inputs.

Diagram



Used by	Element <code>spase:Spase/spase:SimulationRun</code>
Model	<code>spase:ResourceID</code> , <code>spase:ResourceHeader</code> , <code>spase:AccessInformation*</code> , <code>spase:ProviderResourceName{0,1}</code> , <code>spase:ProviderProcessingLevel{0,1}</code> , <code>spase:ProviderVersion{0,1}</code> , <code>spase:Model{0,1}</code> , <code>spase:TemporalDependence{0,1}</code> , <code>spase:SimulatedRegion+</code> , <code>spase:LikelihoodRating{0,1}</code> , <code>spase:Caveats{0,1}</code> , <code>spase:Keyword*</code> , <code>spase:InputResourceID*</code> , <code>spase:SimulationTime{0,1}</code> , <code>spase:SimulationDomain{0,1}</code> , (<code>spase:RegionParameter</code> <code>spase:InputParameter</code> <code>spase:InputPopulation</code> <code>spase:InputField</code> <code>spase:InputProcess</code>) , <code>spase:Extension*</code>
Children	<code>spase:AccessInformation</code> , <code>spase:Caveats</code> , <code>spase:Extension</code> , <code>spase:InputField</code> , <code>spase:InputParameter</code> , <code>spase:InputPopulation</code> , <code>spase:InputProcess</code> , <code>spase:InputResourceID</code> , <code>spase:Keyword</code> , <code>spase:LikelihoodRating</code> , <code>spase:Model</code> , <code>spase:ProviderProcessingLevel</code> , <code>spase:ProviderResourceName</code> , <code>spase:ProviderVersion</code> , <code>spase:RegionParameter</code> , <code>spase:ResourceHeader</code> , <code>spase:ResourceID</code> , <code>spase:SimulatedRegion</code> , <code>spase:SimulationDomain</code> , <code>spase:SimulationTime</code> , <code>spase:TemporalDependence</code>
Source	<code><xsd:complexType name="SimulationRun"></code>

	<pre> <xsd:annotation> <xsd:documentation xml:lang="en">Description of a simulation run, including the code ID, the run spatial and temporal description, and all the relevant inputs.</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="ResourceID" type="spase:ResourceID" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="ResourceHeader" type="spase:ResourceHeader" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="AccessInformation" type="spase:AccessInformation" minOccurs="0" maxOccurs="unbounded"/> <!-- defined in --> <xsd:element name="ProviderResourceName" type="spase:ProviderResourceName" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="ProviderProcessingLevel" type="spase:ProviderProcessingLevel" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="ProviderVersion" type="spase:ProviderVersion" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Model" type="spase:Model" minOccurs="0" maxOccurs="1"/> <xsd:element name="TemporalDependence" type="spase:YN" minOccurs="0" maxOccurs="1"/> <xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="1" maxOccurs="unbounded"/> <xsd:element name="LikelihoodRating" type="spase:ConfidenceRating" minOccurs="0" maxOccurs="1"/> <xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Keyword" type="spase:Keyword" minOccurs="0" maxOccurs="unbounded"/> <!-- defined in --> <xsd:element name="InputResourceID" type="spase:InputResourceID" minOccurs="0" maxOccurs="unbounded"/> <!-- defined in --> <xsd:element name="SimulationTime" type="spase:SimulationTime" minOccurs="0" maxOccurs="1"/> <xsd:element name="SimulationDomain" type="spase:SimulationDomain" minOccurs="0" maxOccurs="1"/> <xsd:choice minOccurs="1" maxOccurs="unbounded"> <xsd:element name="RegionParameter" type="spase:RegionParameter"/> <xsd:element name="InputParameter" type="spase:InputParameter"/> <xsd:element name="InputPopulation" type="spase:InputPopulation"/> <xsd:element name="InputField" type="spase:InputField"/> <xsd:element name="InputProcess" type="spase:InputProcess"/> </xsd:choice> <xsd:element name="Extension" type="spase:Extension" minOccurs="0" maxOccurs="unbounded"/> <!-- defined in --> </xsd:sequence> </xsd:complexType> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:Model

Namespace	http://www.spase-group.org/data/schema
Annotations	Attributes of a model.
Diagram	<pre> classDiagram class Model class ModelID class VersionTag Model "0..1" -- "0..1" ModelID : Model "0..1" -- "0..1" VersionTag : </pre>
Used by	Element spase:SimulationRun/spase:Model
Model	spase:ModelID{0,1}, spase:VersionTag{0,1}
Children	spase:ModelID, spase:VersionTag
Source	<pre> <xsd:complexType name="Model"> <xsd:annotation> <xsd:documentation xml:lang="en">Attributes of a model.</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="ModelID" type="spase:ModelID" minOccurs="0" maxOccurs="1"/> <xsd:element name="VersionTag" type="spase:VersionTag" minOccurs="0" maxOccurs="1"/> </xsd:sequence> </xsd:complexType> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:SimulationTime

Namespace	http://www.spase-group.org/data/schema
Annotations	Parameters associated to the simulation time.
Diagram	<pre> classDiagram class SimulationTime { Description Caveats Duration TimeStart TimeStop TimeStep DiagnosisTimeStep } class Description class Caveats class Duration class TimeStart class TimeStop class TimeStep class DiagnosisTimeStep </pre>
Used by	Element spase:SimulationRun/spase:SimulationTime
Model	spase:Description{0,1} , spase:Caveats{0,1} , spase:Duration{0,1} , spase:TimeStart{0,1} , spase:TimeStop{0,1} , spase:TimeStep{0,1} , spase:DiagnosisTimeStep{0,1}
Children	spase:Caveats, spase:Description, spase:DiagnosisTimeStep, spase:Duration, spase:TimeStart, spase:TimeStep, spase:TimeStop
Source	<pre> <xsd:complexType name="SimulationTime"> <xsd:annotation> <xsd:documentation xml:lang="en">Parameters associated to the simulation time.</ <xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Duration" type="spase:Duration" minOccurs="0" maxOccurs="1"/> <xsd:element name="TimeStart" type="spase:TimeStart" minOccurs="0" maxOccurs="1"/> <xsd:element name="TimeStop" type="spase:TimeStop" minOccurs="0" maxOccurs="1"/> <xsd:element name="TimeStep" type="spase:TimeStep" minOccurs="0" maxOccurs="1"/> <xsd:element name="DiagnosisTimeStep" type="spase:DiagnosisTimeStep" minOccurs="0" maxOccurs="1"/> </xsd:sequence> </xsd:complexType> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:DiagnosisTimeStep

Namespace	http://www.spase-group.org/data/schema
Annotations	Time at which a diagnosis is performed and quantity saved.
Diagram	<pre> classDiagram class DiagnosisTimeStep { TimeStart Type } class TimeStart class Type </pre>
Used by	Element spase:SimulationTime/spase:DiagnosisTimeStep
Model	spase:TimeStart , spase:Duration , spase:SavedQuantity*
Children	spase:Duration, spase:SavedQuantity, spase:TimeStart
Source	<pre> <xsd:complexType name="DiagnosisTimeStep"> <xsd:annotation> </pre>

```

<xsd:documentation xml:lang="en">Time at which a diagnosis is performed and quantity saved.</xsd:documentation>
</xsd:annotation>
<xsd:sequence>
  <xsd:element name="TimeStart" type="spase:TimeStart" minOccurs="1" maxOccurs="1"/>
  <xsd:element name="Duration" type="spase:Duration" minOccurs="1" maxOccurs="1"/>
  <xsd:element name="SavedQuantity" type="spase:SavedQuantity" minOccurs="0" maxOccurs="unbounded"/>
</xsd:sequence>
</xsd:complexType>

```

Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd
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Complex Type spase:SimulationDomain

Namespace	http://www.spase-group.org/data/schema
Annotations	Parameters associated to the simulation spatial domain.
Diagram	<pre> classDiagram class SimulationDomain class CoordinateSystem class Description class Caveats class SpatialDimension class VelocityDimension class FieldDimension class Units class UnitsConversion class CoordinatesLabel class ValidMin class ValidMax class GridStructure class GridCellSize class Symmetry class BoundaryConditions SimulationDomain "0..1" -- "1..*" CoordinateSystem : SimulationDomain "0..1" -- "1..*" Description : SimulationDomain "0..1" -- "1..*" Caveats : SimulationDomain "0..1" -- "1..*" SpatialDimension : SimulationDomain "0..1" -- "1..*" VelocityDimension : SimulationDomain "0..1" -- "1..*" FieldDimension : SimulationDomain "0..1" -- "1..*" Units : SimulationDomain "0..1" -- "1..*" UnitsConversion : SimulationDomain "0..1" -- "1..*" CoordinatesLabel : SimulationDomain "0..1" -- "1..*" ValidMin : SimulationDomain "0..1" -- "1..*" ValidMax : SimulationDomain "0..1" -- "1..*" GridStructure : SimulationDomain "0..1" -- "1..*" GridCellSize : SimulationDomain "0..1" -- "1..*" Symmetry : SimulationDomain "0..1" -- "1..*" BoundaryConditions : </pre>
Used by	Element spase:SimulationRun/spase:SimulationDomain
Model	spase:CoordinateSystem , spase:Description{0,1} , spase:Caveats{0,1} , spase:SpatialDimension , spase:VelocityDimension{0,1} , spase:FieldDimension{0,1} , spase:Units , spase:UnitsConversion{0,1} , spase:CoordinatesLabel{0,1} , spase:ValidMin{0,1} , spase:ValidMax{0,1} , spase:GridStructure{0,1} , spase:GridCellSize{0,1} , spase:Symmetry{0,1} , spase:BoundaryConditions{0,1}
Children	spase:BoundaryConditions, spase:Caveats, spase:CoordinateSystem, spase:CoordinatesLabel, spase:Description, spase:FieldDimension, spase:GridCellSize, spase:GridStructure, spase:SpatialDimension, spase:Symmetry, spase:Units, spase:UnitsConversion, spase:ValidMax, spase:ValidMin, spase:VelocityDimension
Source	<pre> <xsd:complexType name="SimulationDomain"> <xsd:annotation> </pre>

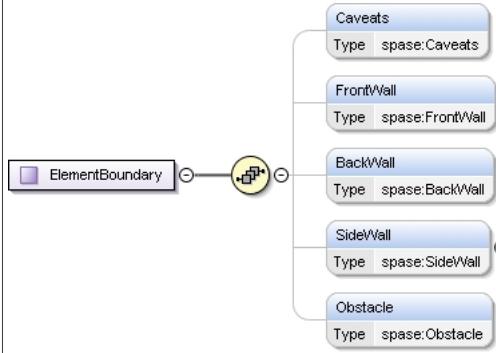
	<pre> <xsd:documentation xml:lang="en">Parameters associated to the simulation spatial domain.</ xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="CoordinateSystem" type="spase:CoordinateSystem" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="SpatialDimension" type="spase:SpatialDimension" minOccurs="1" maxOccurs="1"/> <xsd:element name="VelocityDimension" type="spase:VelocityDimension" minOccurs="0" maxOccurs="1"/> <xsd:element name="FieldDimension" type="spase:FieldDimension" minOccurs="0" maxOccurs="1"/> <xsd:element name="Units" type="spase:Units" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="UnitsConversion" type="spase:UnitsConversion" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="CoordinatesLabel" type="spase:CoordinatesLabel" minOccurs="0" maxOccurs="1"/> <xsd:element name="ValidMin" type="spase:ValidMin" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="ValidMax" type="spase:ValidMax" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="GridStructure" type="spase:GridStructure" minOccurs="0" maxOccurs="1"/> <xsd:element name="GridCellSize" type="spase:GridCellSize" minOccurs="0" maxOccurs="1"/> <xsd:element name="Symmetry" type="spase:Symmetry" minOccurs="0" maxOccurs="1"/> <xsd:element name="BoundaryConditions" type="spase:BoundaryConditions" minOccurs="0" maxOccurs="1"/> </xsd:sequence> </xsd:complexType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:BoundaryConditions

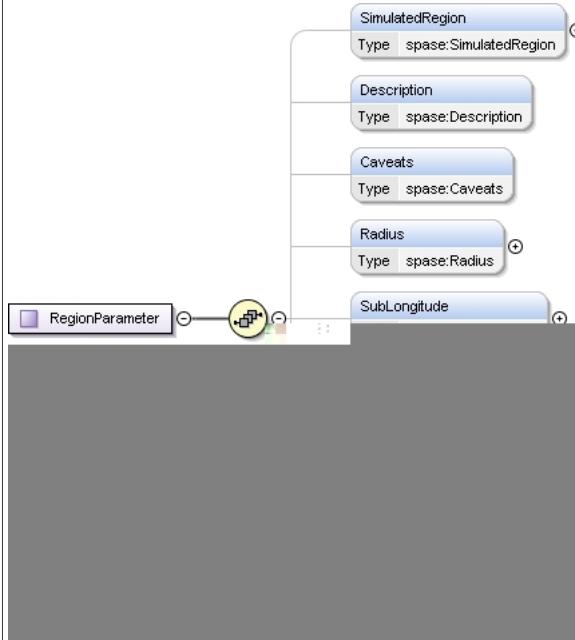
Namespace	http://www.spase-group.org/data/schema
Annotations	Parameters associated to the simulation boundaries.
Diagram	
Used by	Element spase:SimulationDomain/spase:BoundaryConditions
Model	spase:ParticleBoundary{0,1} , spase:FieldBoundary{0,1}
Children	spase:FieldBoundary, spase:ParticleBoundary
Source	<pre> <xsd:complexType name="BoundaryConditions"> <xsd:annotation> <xsd:documentation xml:lang="en">Parameters associated to the simulation boundaries.</ xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="ParticleBoundary" type="spase:ElementBoundary" minOccurs="0" maxOccurs="1"/> <xsd:element name="FieldBoundary" type="spase:ElementBoundary" minOccurs="0" maxOccurs="1"/> </xsd:sequence> </xsd:complexType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:ElementBoundary

Namespace	http://www.spase-group.org/data/schema
Annotations	Parameters associated to the simulation boundaries.

Diagram	
Used by	Elements spase:BoundaryConditions/spase:FieldBoundary, spase:BoundaryConditions/spase:ParticleBoundary
Model	spase:Caveats{0,1} , spase:FrontWall{0,1} , spase:BackWall{0,1} , spase:SideWall{0,1} , spase:Obstacle{0,1}
Children	spase:BackWall, spase:Caveats, spase:FrontWall, spase:Obstacle, spase:SideWall
Source	<pre><xsd:complexType name="ElementBoundary"> <xsd:annotation> <xsd:documentation xml:lang="en">Parameters associated to the simulation boundaries.</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="FrontWall" type="spase:FrontWall" minOccurs="0" maxOccurs="1"/> <xsd:element name="BackWall" type="spase:BackWall" minOccurs="0" maxOccurs="1"/> <xsd:element name="SideWall" type="spase:SideWall" minOccurs="0" maxOccurs="1"/> <xsd:element name="Obstacle" type="spase:Obstacle" minOccurs="0" maxOccurs="1"/> </xsd:sequence> </xsd:complexType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:RegionParameter

Namespace	http://www.spase-group.org/data/schema
Annotations	Radius of the Region in the simulation.
Diagram	
Used by	Element spase:SimulationRun/spase:RegionParameter
Model	spase:SimulatedRegion{0,1} , spase:Description{0,1} , spase:Caveats{0,1} , spase:Radius{0,1} , spase:SubLongitude{0,1} , spase:Period{0,1} , spase:ObjectMass{0,1} , spase:InputTableURL{0,1} , spase:Property*
Children	spase:Caveats, spase:Description, spase:InputTableURL, spase:ObjectMass, spase:Period, spase:Property, spase:Radius, spase:SimulatedRegion, spase:SubLongitude

Source	<pre> <xsd:complexType name="RegionParameter"> <xsd:annotation> <xsd:documentation xml:lang="en">Radius of the Region in the simulation.</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="1"/> <xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Radius" type="spase:Radius" minOccurs="0" maxOccurs="1"/> <xsd:element name="SubLongitude" type="spase:SubLongitude" minOccurs="0" maxOccurs="1"/> <xsd:element name="Period" type="spase:Period" minOccurs="0" maxOccurs="1"/> <xsd:element name="ObjectMass" type="spase:ObjectMass" minOccurs="0" maxOccurs="1"/> <xsd:element name="InputTableURL" type="spase:InputTableURL" minOccurs="0" maxOccurs="1"/> <xsd:element name="Property" type="spase:Property" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:Radius

Namespace	http://www.spase-group.org/data/schema															
Annotations	The length of a line segment from a center point to the perimeter.															
Diagram	<pre> classDiagram spase:typeValue "restriction base" spase:typeValue < -- spase:Radius spase:Radius < -- xsd:double spase:Radius < -- Attributes Attributes < -- Units Attributes < -- UnitsConversion </pre>															
Type	restriction of spase:typeValue															
Type hierarchy	<ul style="list-style-type: none"> xsd:double spase:typeValue spase:Radius 															
Used by	Element spase:RegionParameter/spase:Radius															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>Units</td> <td>xsd:string</td> <td>optional</td> </tr> <tr> <td></td> <td> <pre> <xsd:annotation> <xsd:documentation xml:lang="en"> The length of a line segment from a center point to the perimeter.</xsd:documentation> </xsd:annotation> </pre> </td> <td></td> </tr> <tr> <td>UnitsConversion</td> <td>xsd:string</td> <td>optional</td> </tr> <tr> <td></td> <td> <pre> <xsd:annotation> <xsd:documentation xml:lang="en"> The length of a line segment from a center point to the perimeter.</xsd:documentation> </xsd:annotation> </pre> </td> <td></td> </tr> </tbody> </table>	QName	Type	Use	Units	xsd:string	optional		<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> The length of a line segment from a center point to the perimeter.</xsd:documentation> </xsd:annotation> </pre>		UnitsConversion	xsd:string	optional		<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> The length of a line segment from a center point to the perimeter.</xsd:documentation> </xsd:annotation> </pre>	
QName	Type	Use														
Units	xsd:string	optional														
	<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> The length of a line segment from a center point to the perimeter.</xsd:documentation> </xsd:annotation> </pre>															
UnitsConversion	xsd:string	optional														
	<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> The length of a line segment from a center point to the perimeter.</xsd:documentation> </xsd:annotation> </pre>															
Source	<pre> <xsd:complexType name="Radius"> <xsd:annotation> <xsd:documentation xml:lang="en">The length of a line segment from a center point to the perimeter.</xsd:documentation> </xsd:annotation> <xsd:simpleContent> <xsd:restriction base="spase:typeValue" /> </xsd:simpleContent> </xsd:complexType> </pre>															
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd															

Complex Type spase:typeValue

Namespace	http://www.spase-group.org/data/schema																				
Annotations	<pre> <xsd:annotation> <xsd:documentation xml:lang="en">A description of the standardized measurement increments in which a value is specified. The description is represented as a mathematical phrase. Units should be represented by widely accepted representation. For example, units should conform to the International System of Units (SI) which is maintained by BIPM (Bureau International des Poids et Mesures (see http://www.bipm.fr/) when appropriate or use tokens like "Re" to represent units of the Radius of the Earth. Within a phrase the circumflex (^) is used to indicate a power, a star (*) is used to indicate multiplication and a slash (/) division. When symbols are not separated by a mathematical operator, multiplication is assumed. Symbols for base units can be found at: http:// www.bipm.fr/en/si/si_brochure/chapter2/2-1/#symbols and those for common derived units can be found at: http://www.bipm.fr/en/si/derived_units/2-2-2.html</xsd:documentation> </xsd:annotation></pre>																				
Diagram	<p>The diagram illustrates the inheritance relationship between the <code>typeValue</code> class and the <code>xsd:double</code> class. The <code>typeValue</code> class is shown as a rectangle with a purple border, and the <code>xsd:double</code> class is shown as a rounded rectangle with a purple border. An arrow points from the <code>typeValue</code> class to the <code>xsd:double</code> class, indicating that <code>typeValue</code> is an extension of <code>xsd:double</code>.</p>																				
Type	extension of <code>xsd:double</code>																				
Used by	Complex Types spase:ObjectMass, spase:Period, spase:PopulationDensity, spase:PopulationFlowSpeed, spase:PopulationMassNumber, spase:PopulationTemperature, spase:ProductionRate, spase:Radius, spase:SubLongitude, spase:TotalProductionRate																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>Units</td> <td><code>xsd:string</code></td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td> <pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></pre> </td> <td></td> <td></td> </tr> <tr> <td>UnitsConversion</td> <td><code>xsd:string</code></td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td> <pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></pre> </td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Use		Units	<code>xsd:string</code>	optional			<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></pre>			UnitsConversion	<code>xsd:string</code>	optional			<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></pre>		
QName	Type	Use																			
Units	<code>xsd:string</code>	optional																			
	<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></pre>																				
UnitsConversion	<code>xsd:string</code>	optional																			
	<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></pre>																				
Source	<pre> <xsd:complexType name="typeValue"> <xsd:annotation> <xsd:documentation xml:lang="en"> <xsd:annotation> <xsd:documentation xml:lang="en">A description of the standardized measurement increments in which a value is specified. The description is represented as a mathematical phrase. Units should be represented by widely accepted representation. For example, units should conform to the International System of Units (SI) which is maintained by BIPM (Bureau International des Poids et Mesures (see http://www.bipm.fr/) when appropriate or use tokens like "Re" to represent units of the Radius of the Earth. Within a phrase the circumflex (^) is used to indicate a power, a star (*) is used to indicate multiplication and a slash (/) division. When symbols are not separated by a mathematical operator, multiplication is assumed. Symbols for base units can be found at: http:// www.bipm.fr/en/si/si_brochure/chapter2/2-1/#symbols and those for common derived units can be found at: http://www.bipm.fr/en/si/derived_units/2-2-2.html</xsd:documentation> </xsd:annotation> </xsd:documentation> </xsd:annotation> <xsd:simpleContent> <xsd:extension base="xsd:double"> <xsd:attribute name="Units" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:documentation> </xsd:annotation> </xsd:documentation> </xsd:attribute> <xsd:attribute name="UnitsConversion" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:annotation> </xsd:documentation> </xsd:annotation> </xsd:attribute> </xsd:extension> </xsd:simpleContent> </xsd:complexType></pre>																				

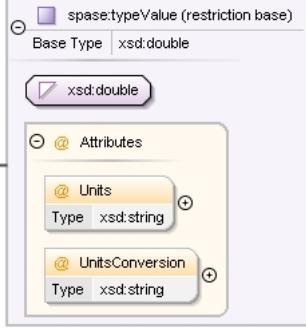
	<pre> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:documentation> </xsd:annotation> </xsd:attribute> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:SubLongitude

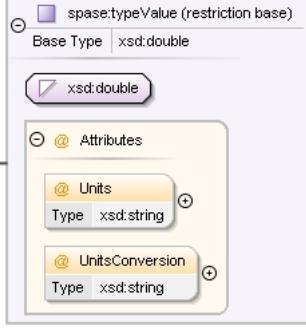
Namespace	http://www.spase-group.org/data/schema																				
Annotations	The longitude on the surface of an object which is directly below another object.																				
Diagram	<pre> classDiagram spase:typeValue "restriction base" spase:typeValue "xsd:double" spase:SubLongitude "Base Type" "spase:typeValue" spase:SubLongitude --> Attributes Attributes "Attributes" Attributes --> Units "Units" Units "xsd:string" Attributes --> UnitsConversion "UnitsConversion" UnitsConversion "xsd:string" </pre>																				
Type	restriction of spase:typeValue																				
Type hierarchy	<ul style="list-style-type: none"> xsd:double spase:typeValue spase:SubLongitude 																				
Used by	Element spase:RegionParameter/spase:SubLongitude																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>Units</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td> <pre> <xsd:annotation> <xsd:documentation xml:lang="en">The longitude on the surface of an object which is directly below another object.</xsd:documentation> </xsd:annotation> </pre> </td> <td></td> <td></td> </tr> <tr> <td>UnitsConversion</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td> <pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre> </td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Use		Units	xsd:string	optional			<pre> <xsd:annotation> <xsd:documentation xml:lang="en">The longitude on the surface of an object which is directly below another object.</xsd:documentation> </xsd:annotation> </pre>			UnitsConversion	xsd:string	optional			<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre>		
QName	Type	Use																			
Units	xsd:string	optional																			
	<pre> <xsd:annotation> <xsd:documentation xml:lang="en">The longitude on the surface of an object which is directly below another object.</xsd:documentation> </xsd:annotation> </pre>																				
UnitsConversion	xsd:string	optional																			
	<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre>																				
Source	<pre> <xsd:complexType name="SubLongitude"> <xsd:annotation> <xsd:documentation xml:lang="en">The longitude on the surface of an object which is directly below another object.</xsd:documentation> </xsd:annotation> <xsd:simpleContent> <xsd:restriction base="spase:typeValue" /> </xsd:simpleContent> </xsd:complexType> </pre>																				
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd																				

Complex Type spase:Period

Namespace	http://www.spase-group.org/data/schema
Annotations	A length or era of time.

Diagram																
Type	restriction of spase:typeValue															
Type hierarchy	<ul style="list-style-type: none"> • xsd:double <ul style="list-style-type: none"> • spase:typeValue • spase:Period 															
Used by	Element spase:RegionParameter/spase:Period															
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>Units</td> <td>xsd:string</td> <td>optional</td> </tr> <tr> <td></td> <td><xsd:annotation> <xsd:documentation xml:lang="en"> A length or era of time.</xsd:documentation> </xsd:annotation></td> <td></td> </tr> <tr> <td>UnitsConversion</td> <td>xsd:string</td> <td>optional</td> </tr> <tr> <td></td> <td><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></td> <td></td> </tr> </tbody> </table>	QName	Type	Use	Units	xsd:string	optional		<xsd:annotation> <xsd:documentation xml:lang="en"> A length or era of time.</xsd:documentation> </xsd:annotation>		UnitsConversion	xsd:string	optional		<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>	
QName	Type	Use														
Units	xsd:string	optional														
	<xsd:annotation> <xsd:documentation xml:lang="en"> A length or era of time.</xsd:documentation> </xsd:annotation>															
UnitsConversion	xsd:string	optional														
	<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>															
Source	<pre> <xsd:complexType name="Period"> <xsd:annotation> <xsd:documentation xml:lang="en">A length or era of time.</xsd:documentation> </xsd:annotation> <xsd:simpleContent> <xsd:restriction base="spase:typeValue" /> </xsd:simpleContent> </xsd:complexType> </pre>															
Schema location	file:///C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd															

Complex Type spase:ObjectMass

Namespace	http://www.spase-group.org/data/schema
Annotations	Mass of an object referenced as a simulated region.
Diagram	
Type	restriction of spase:typeValue
Type hierarchy	<ul style="list-style-type: none"> • xsd:double <ul style="list-style-type: none"> • spase:typeValue • spase:ObjectMass

Used by	spase:RegionParameter/spase:ObjectMass			
Attributes	QName Units	Type xsd:string	Use optional	
		<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>		
	UnitsConversion	xsd:string	optional	
		<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>		
Source	<xsd:complexType name="ObjectMass"> <xsd:annotation> <xsd:documentation xml:lang="en">Mass of an object referenced as a simulated region.</xsd:documentation> </xsd:annotation> <xsd:simpleContent> <xsd:restriction base="spase:typeValue"/> </xsd:simpleContent> </xsd:complexType>			
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd			

Complex Type spase:InputParameter

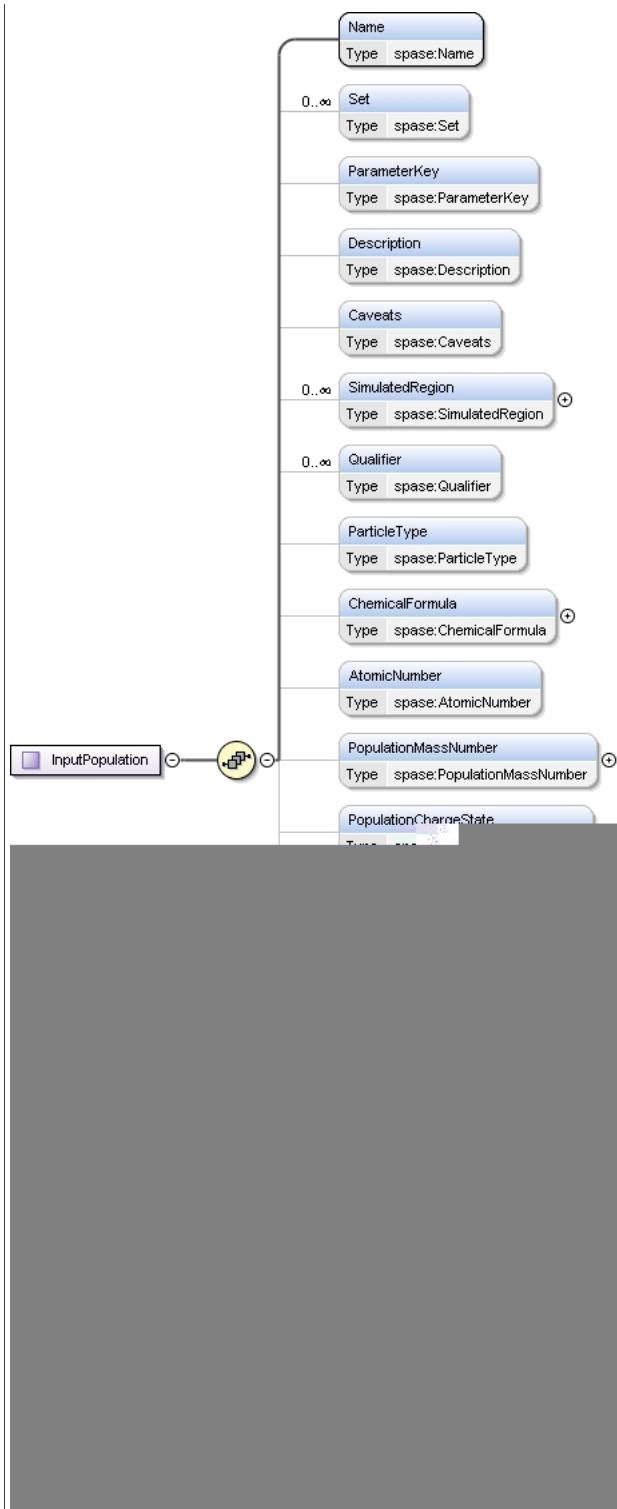
Namespace	http://www.spase-group.org/data/schema
Annotations	A container of information regarding an input parameter of the simulation run.
Diagram	<pre> classDiagram class InputParameter class Name class Description class Caveats class SimulatedRegion class InputTableURL class Qualifier class ParameterQuantity class Property InputParameter "0..1" -- "0..1" Name InputParameter "0..1" -- "0..1" Description InputParameter "0..1" -- "0..1" Caveats InputParameter "0..1" -- "0..infinity" SimulatedRegion InputParameter "0..1" -- "0..infinity" InputTableURL InputParameter "0..1" -- "0..infinity" Qualifier InputParameter "0..1" -- "0..infinity" ParameterQuantity InputParameter "0..1" -- "1..infinity" Property </pre>
Used by	Element spase:SimulationRun/spase:InputParameter
Model	spase:Name , spase:Description{0,1} , spase:Caveats{0,1} , spase:SimulatedRegion* , spase:InputTableURL* , spase:Qualifier* , spase:ParameterQuantity{0,1} , spase:Property+
Children	spase:Caveats, spase:Description, spase:InputTableURL, spase:Name, spase:ParameterQuantity, spase:Property, spase:Qualifier, spase:SimulatedRegion
Source	<xsd:complexType name="InputParameter"> <xsd:annotation> <xsd:documentation xml:lang="en">A container of information regarding an input parameter of the simulation run.</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="Name" type="spase:Name" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/> <!-- defined in -->

	<pre> <xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="unbounded"/> <!-- defined in --> <xsd:element name="InputTableURL" type="spase:InputTableURL" minOccurs="0" maxOccurs="unbounded"/> <xsd:element name="Qualifier" type="spase:Qualifier" minOccurs="0" maxOccurs="unbounded"/> <!-- defined in --> <xsd:element name="ParameterQuantity" type="spase:ParameterQuantity" minOccurs="0" maxOccurs="1"/> <xsd:element name="Property" type="spase:Property" minOccurs="1" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type **spase:InputPopulation**

Namespace	http://www.spase-group.org/data/schema
Annotations	

Diagram



Used by	Element <code>spase:SimulationRun/spase:InputPopulation</code>
Model	<code>spase:Name , spase:Set* , spase:ParameterKey{0,1} , spase:Description{0,1} , spase:Caveats{0,1} , spase:SimulatedRegion* , spase:Qualifier* , spase:ParticleType{0,1} , spase:ChemicalFormula{0,1} , spase:AtomicNumber{0,1} , spase:PopulationMassNumber{0,1} , spase:PopulationChargeState{0,1} , spase:PopulationDensity{0,1} , spase:PopulationTemperature{0,1} , spase:PopulationFlowSpeed{0,1} , spase:Distribution{0,1} , spase:ProductionRate{0,1} , spase>TotalProductionRate{0,1} , spase:InputTableURL{0,1} , spase:DensityProfile{0,1} , spase:ModelURL{0,1}</code>
Children	<code>spase:AtomicNumber, spase:Caveats, spase:ChemicalFormula, spase:DensityProfile, spase:Description, spase:Distribution, spase:InputTableURL, spase:ModelURL, spase:Name, spase:ParameterKey, spase:ParticleType, spase:PopulationChargeState, spase:PopulationDensity, spase:PopulationFlowSpeed, spase:PopulationMassNumber, spase:PopulationTemperature, spase:ProductionRate, spase:Qualifier, spase:Set, spase:SimulatedRegion, spase>TotalProductionRate</code>
Source	<code><xsd:complexType name="InputPopulation"></code>

	<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="Name" type="spase:Name" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Set" type="spase:Set" minOccurs="0" maxOccurs="unbounded"/> <!-- defined in --> <xsd:element name="ParameterKey" type="spase:ParameterKey" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="unbounded"/> <xsd:element name="Qualifier" type="spase:Qualifier" minOccurs="0" maxOccurs="unbounded"/> <!-- defined in --> <xsd:element name="ParticleType" type="spase:ParticleType" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="ChemicalFormula" type="spase:ChemicalFormula" minOccurs="0" maxOccurs="1"/> <xsd:element name="AtomicNumber" type="spase:AtomicNumber" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="PopulationMassNumber" type="spase:PopulationMassNumber" minOccurs="0" maxOccurs="1"/> <xsd:element name="PopulationChargeState" type="spase:PopulationChargeState" minOccurs="0" maxOccurs="1"/> <xsd:element name="PopulationDensity" type="spase:PopulationDensity" minOccurs="0" maxOccurs="1"/> <xsd:element name="PopulationTemperature" type="spase:PopulationTemperature" minOccurs="0" maxOccurs="1"/> <xsd:element name="PopulationFlowSpeed" type="spase:PopulationFlowSpeed" minOccurs="0" maxOccurs="1"/> <xsd:element name="Distribution" type="spase:Distribution" minOccurs="0" maxOccurs="1"/> <xsd:element name="ProductionRate" type="spase:ProductionRate" minOccurs="0" maxOccurs="1"/> <xsd:element name="TotalProductionRate" type="spase:TotalProductionRate" minOccurs="0" maxOccurs="1"/> <xsd:element name="InputTableURL" type="spase:InputTableURL" minOccurs="0" maxOccurs="1"/> <xsd:element name="DensityProfile" type="spase:DensityProfile" minOccurs="0" maxOccurs="1"/> <xsd:element name="ModelURL" type="spase:ModelURL" minOccurs="0" maxOccurs="1"/> </xsd:sequence> </xsd:complexType> </pre>
Schema location	file:///C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:PopulationMassNumber

Namespace	http://www.spase-group.org/data/schema						
Annotations	The total number of protons and neutrons (together known as nucleons) in an atomic nucleus.						
Diagram	<pre> classDiagram spase:typeValue "restriction base" spase:typeValue < -- PopulationMassNumber PopulationMassNumber "Attributes" : Units PopulationMassNumber "Base Type" : spase:typeValue </pre>						
Type	restriction of spase:typeValue						
Type hierarchy	<ul style="list-style-type: none"> xsd:double spase:typeValue spase:PopulationMassNumber 						
Used by	Element spase:InputPopulation/spase:PopulationMassNumber						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>Units</td> <td>xsd:string</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	Units	xsd:string	optional
QName	Type	Use					
Units	xsd:string	optional					

	QName	Type	Use	
		<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>		
	UnitsConversion	xsd:string	optional	
		<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>		
Source		<xsd:complexType name="PopulationMassNumber"> <xsd:annotation> <xsd:documentation xml:lang="en">The total number of protons and neutrons (together known as nucleons) in an atomic nucleus.</xsd:documentation> </xsd:annotation> <xsd:simpleContent> <xsd:restriction base="spase:typeValue"/> </xsd:simpleContent> </xsd:complexType>		
Schema location		file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd		

Complex Type spase:PopulationDensity

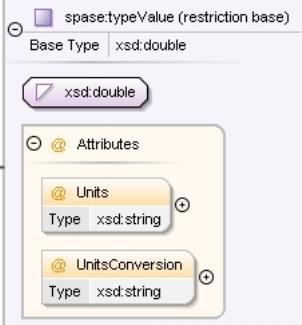
Namespace	http://www.spase-group.org/data/schema			
Annotations	The number of particles per unit volume.			
Diagram	<pre> classDiagram spase:typeValue "restriction base" spase:typeValue < -- PopulationDensity PopulationDensity "Attributes" PopulationDensity < -- Units : xsd:string PopulationDensity < -- UnitsConversion : xsd:string </pre>			
Type	restriction of spase:typeValue			
Type hierarchy	<ul style="list-style-type: none"> xsd:double spase:typeValue spase:PopulationDensity 			
Used by	Element spase:InputPopulation/spase:PopulationDensity			
Attributes	QName	Type	Use	
	Units	xsd:string	optional	
		<xsd:annotation> <xsd:documentation xml:lang="en">The number of particles per unit volume.</xsd:documentation> </xsd:annotation>		
	UnitsConversion	xsd:string	optional	
		<xsd:annotation> <xsd:documentation xml:lang="en">The number of particles per unit volume.</xsd:documentation> </xsd:annotation>		
Source	<xsd:complexType name="PopulationDensity"> <xsd:annotation> <xsd:documentation xml:lang="en">The number of particles per unit volume.</xsd:documentation> </xsd:annotation> <xsd:simpleContent> <xsd:restriction base="spase:typeValue"/> </xsd:simpleContent> </xsd:complexType>			
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd			

Complex Type spase:PopulationTemperature

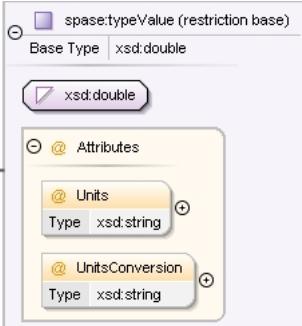
Namespace	http://www.spase-group.org/data/schema																				
Annotations	A measure of the kinetic energy of random motion with respect to the average. Temperature is properly defined only for an equilibrium particle distribution (Maxwellian distribution).																				
Diagram	<pre> classDiagram spase:typeValue "restriction base" spase:typeValue < -- PopulationTemperature PopulationTemperature "Base Type" spase:typeValue PopulationTemperature < -- Attributes Attributes < -- Units Units "Type" xsd:string PopulationTemperature < -- UnitsConversion UnitsConversion "Type" xsd:string </pre>																				
Type	restriction of spase:typeValue																				
Type hierarchy	<ul style="list-style-type: none"> • xsd:double • spase:typeValue • spase:PopulationTemperature 																				
Used by	Element spase:InputPopulation/spase:PopulationTemperature																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>Units</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td> <pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre> </td> <td></td> <td></td> </tr> <tr> <td>UnitsConversion</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td> <pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre> </td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Use		Units	xsd:string	optional			<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre>			UnitsConversion	xsd:string	optional			<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre>		
QName	Type	Use																			
Units	xsd:string	optional																			
	<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre>																				
UnitsConversion	xsd:string	optional																			
	<pre> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </pre>																				
Source	<pre> <xsd:complexType name="PopulationTemperature"> <xsd:annotation> <xsd:documentation xml:lang="en">A measure of the kinetic energy of random motion with respect to the average. Temperature is properly defined only for an equilibrium particle distribution (Maxwellian distribution).</xsd:documentation> </xsd:annotation> <xsd:simpleContent> <xsd:restriction base="spase:typeValue" /> </xsd:simpleContent> </xsd:complexType> </pre>																				
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd																				

Complex Type spase:PopulationFlowSpeed

Namespace	http://www.spase-group.org/data/schema
Annotations	The rate at which particles or energy is passing through a unit area in a unit time.

Diagram																					
Type	restriction of spase:typeValue																				
Type hierarchy	<ul style="list-style-type: none"> • xsd:double <ul style="list-style-type: none"> • spase:typeValue <ul style="list-style-type: none"> • spase:PopulationFlowSpeed 																				
Used by	Element spase:InputPopulation/spase:PopulationFlowSpeed																				
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> <th></th> </tr> </thead> <tbody> <tr> <td>Units</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td><xsd:annotation> <xsd:documentation xml:lang="en"> The rate at which particles or energy is passing through a unit area in a unit time. </xsd:documentation> </xsd:annotation></td> <td></td> <td></td> </tr> <tr> <td>UnitsConversion</td> <td>xsd:string</td> <td>optional</td> <td></td> </tr> <tr> <td></td> <td><xsd:annotation> <xsd:documentation xml:lang="en"> The conversion factor between the current units and the target units. </xsd:documentation> </xsd:annotation></td> <td></td> <td></td> </tr> </tbody> </table>	QName	Type	Use		Units	xsd:string	optional			<xsd:annotation> <xsd:documentation xml:lang="en"> The rate at which particles or energy is passing through a unit area in a unit time. </xsd:documentation> </xsd:annotation>			UnitsConversion	xsd:string	optional			<xsd:annotation> <xsd:documentation xml:lang="en"> The conversion factor between the current units and the target units. </xsd:documentation> </xsd:annotation>		
QName	Type	Use																			
Units	xsd:string	optional																			
	<xsd:annotation> <xsd:documentation xml:lang="en"> The rate at which particles or energy is passing through a unit area in a unit time. </xsd:documentation> </xsd:annotation>																				
UnitsConversion	xsd:string	optional																			
	<xsd:annotation> <xsd:documentation xml:lang="en"> The conversion factor between the current units and the target units. </xsd:documentation> </xsd:annotation>																				
Source	<pre> <xsd:complexType name="PopulationFlowSpeed"> <xsd:annotation> <xsd:documentation xml:lang="en">The rate at which particles or energy is passing through a unit area in a unit time.</xsd:documentation> </xsd:annotation> <xsd:simpleContent> <xsd:restriction base="spase:typeValue" /> </xsd:simpleContent> </xsd:complexType> </pre>																				
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd																				

Complex Type spase:ProductionRate

Namespace	http://www.spase-group.org/data/schema
Annotations	The number of items that can be produced during a given period of time.
Diagram	
Type	restriction of spase:typeValue
Type hierarchy	<ul style="list-style-type: none"> • xsd:double <ul style="list-style-type: none"> • spase:typeValue <ul style="list-style-type: none"> • spase:ProductionRate

Used by	Element spase:InputPopulation/spase:ProductionRate			
Attributes	QName Units	Type xsd:string	Use optional	
		<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>		
	UnitsConversion	xsd:string	optional	
		<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>		
Source	<xsd:complexType name="ProductionRate"> <xsd:annotation> <xsd:documentation xml:lang="en">The number of items that can be produced during a given period of time.</xsd:documentation> </xsd:annotation> <xsd:simpleContent> <xsd:restriction base="spase:typeValue" /> </xsd:simpleContent> </xsd:complexType>			
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd			

Complex Type spase:TotalProductionRate

Namespace	http://www.spase-group.org/data/schema			
Annotations	The total number of items that can be produced during a given period of time.			
Diagram	<pre> classDiagram spase:typeValue < -- spase:TotalProductionRate spase:typeValue { <-- xsd:double <-- Attributes { @Units : xsd:string @UnitsConversion : xsd:string } } </pre>			
Type	restriction of spase:typeValue			
Type hierarchy	<ul style="list-style-type: none"> xsd:double spase:typeValue spase:TotalProductionRate 			
Used by	Element spase:InputPopulation/spase:TotalProductionRate			
Attributes	QName Units	Type xsd:string	Use optional	
		<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>		
	UnitsConversion	xsd:string	optional	
		<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>		
Source	<xsd:complexType name="TotalProductionRate"> <xsd:annotation> <xsd:documentation xml:lang="en">The total number of items that can be produced during a given period of time.</xsd:documentation> </xsd:annotation> <xsd:simpleContent>			

	<pre><xsd:restriction base="spase:typeValue"/> </xsd:simpleContent> </xsd:complexType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:InputField

Namespace	http://www.spase-group.org/data/schema
Annotations	Parameters associated to a field imposed in the simulation
Diagram	<pre> classDiagram class Name { Type spase:Name } class Set { * Type spase:Set } class ParameterKey { Type spase:ParameterKey } class Description { Type spase>Description } class Caveats { Type spase:Caveats } class SimulatedRegion { * Type spase:SimulatedRegion } class CoordinateSystem { Type spase:CoordinateSystem } class Qualifier { * Type spase:Qualifier } Name < -- Set Name < -- ParameterKey Name < -- Description Name < -- Caveats Name < -- SimulatedRegion Name < -- CoordinateSystem Name < -- Qualifier </pre>
Used by	Element spase:SimulationRun/spase:InputField
Model	spase:Name , spase:Set* , spase:ParameterKey{0,1} , spase:Description{0,1} , spase:Caveats{0,1} , spase:SimulatedRegion* , spase:CoordinateSystem{0,1} , spase:Qualifier* , spase:FieldQuantity , spase:Units{0,1} , spase:UnitsConversion{0,1} , spase:InputLabel{0,1} , spase:FieldValue{0,1} , spase:InputTableURL{0,1} , spase:ValidMin{0,1} , spase:ValidMax{0,1} , spase:FieldModel{0,1} , spase:ModelURL{0,1}
Children	spase:Caveats, spase:CoordinateSystem, spase:Description, spase:FieldModel, spase:FieldQuantity, spase:FieldValue, spase:InputLabel, spase:InputTableURL, spase:ModelURL, spase:Name, spase:ParameterKey, spase:Qualifier, spase:Set, spase:SimulatedRegion, spase:Units, spase:UnitsConversion, spase:ValidMax, spase:ValidMin

Source	<pre> <xsd:complexType name="InputField"> <xsd:annotation> <xsd:documentation xml:lang="en">Parameters associated to a field imposed in the simulation</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="Name" type="spase:Name" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Set" type="spase:Set" minOccurs="0" maxOccurs="unbounded"/> <!-- defined in --> <xsd:element name="ParameterKey" type="spase:ParameterKey" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="unbounded"/> <xsd:element name="CoordinateSystem" type="spase:CoordinateSystem" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Qualifier" type="spase:Qualifier" minOccurs="0" maxOccurs="unbounded"/> <!-- defined in --> <xsd:element name="FieldQuantity" type="spase:FieldQuantity" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Units" type="spase:Units" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="UnitsConversion" type="spase:UnitsConversion" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="InputLabel" type="spase:InputLabel" minOccurs="0" maxOccurs="1"/> <xsd:element name="FieldValue" type="spase:FieldValue" minOccurs="0" maxOccurs="1"/> <xsd:element name="InputTableURL" type="spase:InputTableURL" minOccurs="0" maxOccurs="1"/> <xsd:element name="ValidMin" type="spase:ValidMin" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="ValidMax" type="spase:ValidMax" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="FieldModel" type="spase:FieldModel" minOccurs="0" maxOccurs="1"/> <xsd:element name="ModelURL" type="spase:ModelURL" minOccurs="0" maxOccurs="1"/> </xsd:sequence> </xsd:complexType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type `spase:InputProcess`

Namespace	http://www.spase-group.org/data/schema
Annotations	Parameters associated to a chemical process happening in the simulation

Diagram	<pre> classDiagram class InputProcess { Name Set ParameterKey Description Caveats SimulatedRegion ProcessType Units UnitsConversion ProcessCoefficient ProcessCoeffType ProcessModel ModelURL } </pre>
Used by	Element spase:SimulationRun/spase:InputProcess
Model	spase:Name , spase:Set*, spase:ParameterKey{0,1} , spase:Description{0,1} , spase:Caveats{0,1} , spase:SimulatedRegion* , spase:ProcessType , spase:Units{0,1} , spase:UnitsConversion{0,1} , spase:ProcessCoefficient{0,1} , spase:ProcessCoeffType{0,1} , spase:ProcessModel{0,1} , spase:ModelURL{0,1}
Children	spase:Caveats, spase:Description, spase:ModelURL, spase:Name, spase:ParameterKey, spase:ProcessCoeffType, spase:ProcessCoefficient, spase:ProcessModel, spase:ProcessType, spase:Set, spase:SimulatedRegion, spase:Units, spase:UnitsConversion
Source	<pre> <xsd:complexType name="InputProcess"> <xsd:annotation> <xsd:documentation xml:lang="en">Parameters associated to a chemical process happening in the simulation</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="Name" type="spase:Name" minOccurs="1" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Set" type="spase:Set" minOccurs="0" maxOccurs="unbounded"/> <!-- defined in --> <xsd:element name="ParameterKey" type="spase:ParameterKey" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Description" type="spase:Description" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="unbounded"/> <xsd:element name="ProcessType" type="spase:ProcessType" minOccurs="1" maxOccurs="1"/> <xsd:element name="Units" type="spase:Units" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="UnitsConversion" type="spase:UnitsConversion" minOccurs="0" maxOccurs="1"/> <!-- defined in --> <xsd:element name="ProcessCoefficient" type="spase:ProcessCoefficient" minOccurs="0" maxOccurs="1"/> <xsd:element name="ProcessCoeffType" type="spase:ProcCoefType" minOccurs="0" maxOccurs="1"/> <xsd:element name="ProcessModel" type="spase:ProcessModel" minOccurs="0" maxOccurs="1"/> <xsd:element name="ModelURL" type="spase:ModelURL" minOccurs="0" maxOccurs="1"/> </xsd:sequence> </xsd:complexType> </pre>

Schema
location

file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:Extension

Namespace	http://www.spase-group.org/data/schema
Annotations	
Diagram	
Used by	Elements spase:DisplayOutput/spase:Extension, spase:NumericalOutput/spase:Extension, spase:SimulationRun/ spase:Extension
Model	ANY element from ANY namespace OTHER than 'http://www.spase-group.org/data/schema'
Source	<pre><xsd:complexType name="Extension"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:any minOccurs="0" maxOccurs="unbounded" processContents="lax" namespace="##other"/> </xsd:sequence> </xsd:complexType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Complex Type spase:NumericalOutput

Namespace	http://www.spase-group.org/data/schema
Annotations	Data stored as numerical values in a specified format. A Numerical Data resource is a type of "data product" which is a set of data that is uniformly processed and formatted, from one or more instruments, typically spanning the full duration of the observations of the relevant instrument(s). A data product may consist of a collection of granules of successive time spans, but may be a single high-level entity.

Diagram	<pre> classDiagram class ResourceID { Type spase:ResourceID } class ResourceHeader { Type } ResourceID < -- ResourceHeader </pre>
Used by	Element spase:Spase/spase:NumericalOutput
Model	spase:ResourceID , spase:ResourceHeader , spase:AccessInformation+ , spase:ProcessingLevel{0,1} , spase:ProviderResourceName{0,1} , spase:ProviderProcessingLevel{0,1} , spase:ProviderVersion{0,1} , spase:SimulatedInstrumentID* , spase:MeasurementType+ , (spase:TemporalDescription spase:SpatialDescription) , spase:SpectralRange* , spase:SimulatedRegion* , spase:Caveats{0,1} , spase:Keyword* , spase:InputResourceID* , spase:Parameter* , spase:SimulationProduct{0,1} , spase:Property* , spase:Extension{0,1}
Children	spase:AccessInformation, spase:Caveats, spase:Extension, spase:InputResourceID, spase:Keyword, spase:MeasurementType, spase:Parameter, spase:ProcessingLevel, spase:Property, spase:ProviderProcessingLevel, spase:ProviderResourceName, spase:ProviderVersion, spase:ResourceHeader, spase:ResourceID, spase:SimulatedInstrumentID, spase:SimulatedRegion, spase:SimulationProduct, spase:SpatialDescription, spase:SpectralRange, spase:TemporalDescription
Source	<pre> <xsd:complexType name="NumericalOutput"> <xsd:annotation> <xsd:documentation xml:lang="en">Data stored as numerical values in a specified format. A Numerical Data resource is a type of "data product" which is a set of data that is uniformly </pre>

processed and formatted, from one or more instruments, typically spanning the full duration of the observations of the relevant instrument(s). A data product may consist of a collection of granules of successive time spans, but may be a single high-level entity.

```

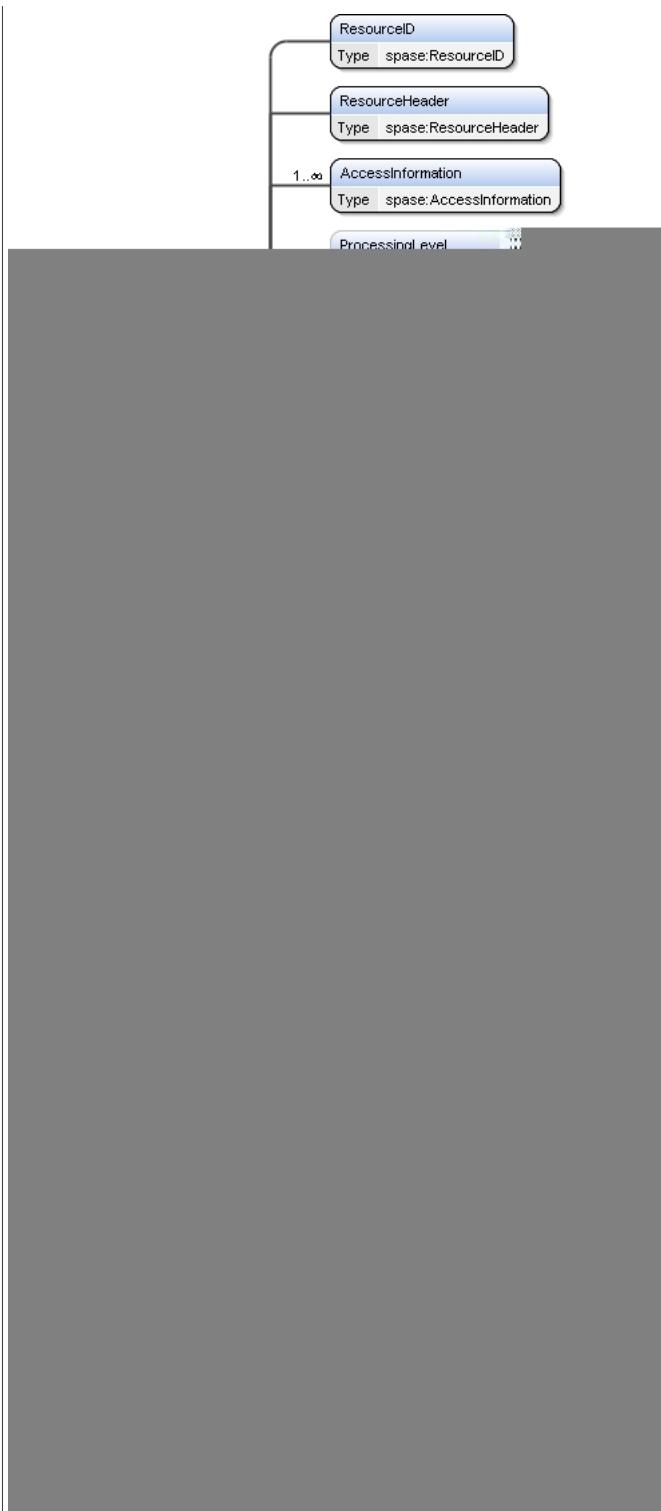
</xsd:documentation>
</xsd:annotation>
<xsd:sequence>
  <xsd:element name="ResourceID" type="spase:ResourceID" minOccurs="1" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="ResourceHeader" type="spase:ResourceHeader" minOccurs="1" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="AccessInformation" type="spase:AccessInformation" minOccurs="1" maxOccurs="unbounded"/>
  <!-- defined in -->
  <xsd:element name="ProcessingLevel" type="spase:ProcessingLevel" minOccurs="0" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="ProviderResourceName" type="spase:ProviderResourceName" minOccurs="0" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="ProviderProcessingLevel" type="spase:ProviderProcessingLevel" minOccurs="0" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="ProviderVersion" type="spase:ProviderVersion" minOccurs="0" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="SimulatedInstrumentID" type="spase:SimulatedInstrumentID" minOccurs="0" maxOccurs="unbounded"/>
  <xsd:element name="MeasurementType" type="spase:MeasurementType" minOccurs="1" maxOccurs="unbounded"/>
  <!-- defined in -->
  <xsd:choice minOccurs="0" maxOccurs="1">
    <xsd:element name="TemporalDescription" type="spase:TemporalDescription"/>
    <!-- defined in -->
    <xsd:element name="SpatialDescription" type="spase:SpatialDescription"/>
  </xsd:choice>
  <xsd:element name="SpectralRange" type="spase:SpectralRange" minOccurs="0" maxOccurs="unbounded"/>
  <!-- defined in -->
  <xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="unbounded"/>
  <xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="Keyword" type="spase:Keyword" minOccurs="0" maxOccurs="unbounded"/>
  <!-- defined in -->
  <xsd:element name="InputResourceID" type="spase:InputResourceID" minOccurs="0" maxOccurs="unbounded"/>
  <!-- defined in -->
  <xsd:element name="Parameter" type="spase:Parameter" minOccurs="0" maxOccurs="unbounded"/>
  <!-- defined in -->
  <xsd:element name="SimulationProduct" type="spase:Product" minOccurs="0" maxOccurs="1"/>
  <xsd:element name="Property" type="spase:Property" minOccurs="0" maxOccurs="unbounded"/>
  <xsd:element name="Extension" type="spase:Extension" minOccurs="0" maxOccurs="1"/>
  <!-- defined in -->
</xsd:sequence>
</xsd:complexType>
```

Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd
-----------------	---

Complex Type **spase:DisplayOutput**

Namespace	http://www.spase-group.org/data/schema
Annotations	A graphical representation of data wherein the underlying numeric values are not (readily) accessible for analysis.. Examples are line plots and spectrograms. A Display Data resource is a type of "data product" which is a set of data that is uniformly processed and formatted, from one or more instruments, typically spanning the full duration of the observations of the relevant instrument(s). A data product may consist of a collection of granules of successive time spans, but may be a single high-level entity.

Diagram



Used by	Element spase:Spase/spase:DisplayOutput
Model	spase:ResourceID , spase:ResourceHeader , spase:AccessInformation+ , spase:ProcessingLevel{0,1} , spase:ProviderResourceName{0,1} , spase:ProviderProcessingLevel{0,1} , spase:ProviderVersion{0,1} , spase:SimulatedInstrumentID* , spase:MeasurementType+ ,(spase:TemporalDescription spase:SpatialDescription) , spase:SpectralRange* , spase:DisplayCadence{0,1} , spase:SimulatedRegion* , spase:Caveats{0,1} , spase:Keyword* , spase:InputResourceID* , spase:Parameter* , spase:SimulationProduct{0,1} , spase:Property* , spase:Extension{0,1}
Children	spase:AccessInformation, spase:Caveats, spase:DisplayCadence, spase:Extension, spase:InputResourceID, spase:Keyword, spase:MeasurementType, spase:Parameter, spase:ProcessingLevel, spase:Property, spase:ProviderProcessingLevel, spase:ProviderResourceName, spase:ProviderVersion, spase:ResourceHeader, spase:ResourceID, spase:SimulatedInstrumentID, spase:SimulatedRegion, spase:SimulationProduct, spase:SpatialDescription, spase:SpectralRange, spase:TemporalDescription
Source	<code><xsd:complexType name="DisplayOutput"></code>

```

<xsd:annotation>
  <xsd:documentation xml:lang="en">A graphical representation of data wherein the underlying numeric values are not (readily) accessible for analysis.. Examples are line plots and spectrograms. A Display Data resource is a type of "data product" which is a set of data that is uniformly processed and formatted, from one or more instruments, typically spanning the full duration of the observations of the relevant instrument(s). A data product may consist of a collection of granules of successive time spans, but may be a single high-level entity.</xsd:documentation>
</xsd:annotation>
<xsd:sequence>
  <xsd:element name="ResourceID" type="spase:ResourceID" minOccurs="1" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="ResourceHeader" type="spase:ResourceHeader" minOccurs="1" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="AccessInformation" type="spase:AccessInformation" minOccurs="1" maxOccurs="unbounded"/>
  <!-- defined in -->
  <xsd:element name="ProcessingLevel" type="spase:ProcessingLevel" minOccurs="0" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="ProviderResourceName" type="spase:ProviderResourceName" minOccurs="0" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="ProviderProcessingLevel" type="spase:ProviderProcessingLevel" minOccurs="0" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="ProviderVersion" type="spase:ProviderVersion" minOccurs="0" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="SimulatedInstrumentID" type="spase:SimulatedInstrumentID" minOccurs="0" maxOccurs="unbounded"/>
  <xsd:element name="MeasurementType" type="spase:MeasurementType" minOccurs="1" maxOccurs="unbounded"/>
  <!-- defined in -->
  <xsd:choice minOccurs="0" maxOccurs="1">
    <xsd:element name="TemporalDescription" type="spase:TemporalDescription"/>
    <!-- defined in -->
    <xsd:element name="SpatialDescription" type="spase:SpatialDescription"/>
  </xsd:choice>
  <xsd:element name="SpectralRange" type="spase:SpectralRange" minOccurs="0" maxOccurs="unbounded"/>
  <!-- defined in -->
  <xsd:element name="DisplayCadence" type="spase:DisplayCadence" minOccurs="0" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="SimulatedRegion" type="spase:SimulatedRegion" minOccurs="0" maxOccurs="unbounded"/>
  <xsd:element name="Caveats" type="spase:Caveats" minOccurs="0" maxOccurs="1"/>
  <!-- defined in -->
  <xsd:element name="Keyword" type="spase:Keyword" minOccurs="0" maxOccurs="unbounded"/>
  <!-- defined in -->
  <xsd:element name="InputResourceID" type="spase:InputResourceID" minOccurs="0" maxOccurs="unbounded"/>
  <!-- defined in -->
  <xsd:element name="Parameter" type="spase:Parameter" minOccurs="0" maxOccurs="unbounded"/>
  <!-- defined in -->
  <xsd:element name="SimulationProduct" type="spase:Product" minOccurs="0" maxOccurs="1"/>
  <xsd:element name="Property" type="spase:Property" minOccurs="0" maxOccurs="unbounded"/>
  <xsd:element name="Extension" type="spase:Extension" minOccurs="0" maxOccurs="1"/>
  <!-- defined in -->
</xsd:sequence>
</xsd:complexType>

```

Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd
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Complex Type **spase:typeElementBoundary**

Namespace	http://www.spase-group.org/data/schema
Annotations	

Diagram	
Model	spase:BackWall{0,1} , spase:Caveats{0,1} , spase:FrontWall{0,1} , spase:Obstacle{0,1} , spase:SideWall{0,1}
Children	spase:BackWall, spase:Caveats, spase:FrontWall, spase:Obstacle, spase:SideWall
Source	<pre><xsd:complexType name="typeElementBoundary"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="BackWall" type="spase:BackWall" minOccurs="0" maxOccurs="1"/> <xsd:element name="Caveats" type="base:Caveats" minOccurs="0" maxOccurs="1"/> <xsd:element name="FrontWall" type="spase:FrontWall" minOccurs="0" maxOccurs="1"/> <xsd:element name="Obstacle" type="spase:Obstacle" minOccurs="0" maxOccurs="1"/> <xsd:element name="SideWall" type="spase:SideWall" minOccurs="0" maxOccurs="1"/> </xsd:sequence> </xsd:complexType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type(s)

Simple Type spase:Version

Namespace	http://www.spase-group.org/data/schema
Annotations	Version number.
Diagram	
Type	restriction of xsd:string
Facets	enumeration 1.0.0
Used by	Element spase:Spase/spase:Version
Source	<pre><xsd:simpleType name="Version"> <xsd:annotation> <xsd:documentation xml:lang="en">Version number.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string"> <xsd:enumeration value="1.0.0"/> </xsd:restriction> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:RegionBegin

Namespace	http://www.spase-group.org/data/schema
Annotations	The values that define the start point of a region.
Diagram	
Type	spase:typeFloatSequence
Type hierarchy	<ul style="list-style-type: none"> • xsd:float • spase:typeFloatSequence

	<ul style="list-style-type: none"> spase:RegionBegin
Used by	Elements spase:CubesDescription/spase:RegionBegin, spase:Granule/spase:RegionBegin
Source	<pre><xsd:simpleType name="RegionBegin"> <xsd:annotation> <xsd:documentation xml:lang="en">The values that define the start point of a region.</ xsd:documentation> </xsd:annotation> <xsd:restriction base="spase:typeFloatSequence" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:typeFloatSequence

Namespace	http://www.spase-group.org/data/schema
Annotations	<pre><xsd:annotation> <xsd:documentation xml:lang="en">A list of floating point numbers where the order of the values is fixed. A space separates each value. For example, "1.2 3.4 5.6".</xsd:documentation> </xsd:annotation></pre>
Diagram	
Type	list of xsd:float
Used by	Simple Types spase:GridCellSize, spase:PlaneNormalVector, spase:PlanePoint, spase:RegionBegin, spase:RegionEnd
Source	<pre><xsd:simpleType name="typeFloatSequence"> <xsd:annotation> <xsd:documentation xml:lang="en"> <xsd:annotation> <xsd:documentation xml:lang="en">A list of floating point numbers where the order of the values is fixed. A space separates each value. For example, "1.2 3.4 5.6".</xsd:documentation> </xsd:annotation> </xsd:documentation> <xsd:list itemType="xsd:float" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:RegionEnd

Namespace	http://www.spase-group.org/data/schema
Annotations	The values that define the ending point of a region.
Diagram	
Type	spase:typeFloatSequence
Type hierarchy	<ul style="list-style-type: none"> xsd:float spase:typeFloatSequence spase:RegionEnd
Used by	Elements spase:CubesDescription/spase:RegionEnd, spase:Granule/spase:RegionEnd
Source	<pre><xsd:simpleType name="RegionEnd"> <xsd:annotation> <xsd:documentation xml:lang="en">The values that define the ending point of a region.</ xsd:documentation> </xsd:annotation> <xsd:restriction base="spase:typeFloatSequence" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:VersionTag

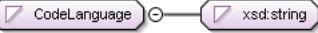
Namespace	http://www.spase-group.org/data/schema
Annotations	The text string for a version indicator.

Diagram	
Type	xsd:string
Used by	Elements spase:Model/spase:VersionTag, spase:ModelVersion/spase:VersionTag
Source	<pre><xsd:simpleType name="VersionTag"> <xsd:annotation> <xsd:documentation xml:lang="en">The text string for a version indicator.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string"/> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:SimulationType

Namespace	http://www.spase-group.org/data/schema																	
Annotations	A characterization of the numerical scheme used in the simulation.																	
Diagram																		
Type	restriction of xsd:string																	
Facets	<table> <tr> <td>enumeration</td> <td>Hybrid</td> <td>A numerical scheme simulating ions as particles and electrons as a fluid.</td> </tr> <tr> <td>enumeration</td> <td>MHD</td> <td></td> </tr> <tr> <td>enumeration</td> <td>PIC</td> <td>A numerical scheme simulating ions and electrons as macroparticles.</td> </tr> <tr> <td>enumeration</td> <td>Paraboloid</td> <td>A shape generated by the rotation of a parabola around its axis of symmetry.</td> </tr> <tr> <td>enumeration</td> <td>Test_Particle</td> <td></td> </tr> </table>			enumeration	Hybrid	A numerical scheme simulating ions as particles and electrons as a fluid.	enumeration	MHD		enumeration	PIC	A numerical scheme simulating ions and electrons as macroparticles.	enumeration	Paraboloid	A shape generated by the rotation of a parabola around its axis of symmetry.	enumeration	Test_Particle	
enumeration	Hybrid	A numerical scheme simulating ions as particles and electrons as a fluid.																
enumeration	MHD																	
enumeration	PIC	A numerical scheme simulating ions and electrons as macroparticles.																
enumeration	Paraboloid	A shape generated by the rotation of a parabola around its axis of symmetry.																
enumeration	Test_Particle																	
Used by	Element spase:SimulationModel/spase:SimulationType																	
Source	<pre><xsd:simpleType name="SimulationType"> <xsd:annotation> <xsd:documentation xml:lang="en">A characterization of the numerical scheme used in the simulation.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Hybrid"> <xsd:annotation> <xsd:documentation xml:lang="en">A numerical scheme simulating ions as particles and electrons as a fluid.</xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="MHD"> <xsd:annotation> <xsd:documentation xml:lang="en"></xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="PIC"> <xsd:annotation> <xsd:documentation xml:lang="en">A numerical scheme simulating ions and electrons as macroparticles.</xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="Paraboloid"> <xsd:annotation> <xsd:documentation xml:lang="en">A shape generated by the rotation of a parabola around its axis of symmetry.</xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="Test_Particle"> <xsd:annotation> <xsd:documentation xml:lang="en"></xsd:documentation> </xsd:annotation> </xsd:enumeration> </xsd:restriction> </xsd:simpleType></pre>																	
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd																	

Simple Type spase:CodeLanguage

Namespace	http://www.spase-group.org/data/schema
Annotations	Language in which a numerical code is written.
Diagram	
Type	xsd:string
Used by	Element spase:SimulationModel/spase:CodeLanguage
Source	<pre><xsd:simpleType name="CodeLanguage"> <xsd:annotation> <xsd:documentation xml:lang="en">Language in which a numerical code is written.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:YN

Namespace	http://www.spase-group.org/data/schema				
Annotations	Yes or No				
Diagram					
Type	restriction of xsd:string				
Facets	<table> <tr> <td>enumeration</td> <td>No</td> </tr> <tr> <td>enumeration</td> <td>Yes</td> </tr> </table>	enumeration	No	enumeration	Yes
enumeration	No				
enumeration	Yes				
Used by	Elements spase:SimulationModel/spase:TemporalDependence, spase:SimulationRun/spase:TemporalDependence				
Source	<pre><xsd:simpleType name="YN"> <xsd:annotation> <xsd:documentation xml:lang="en">Yes or No</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string" > <xsd:enumeration value="No"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="Yes"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:enumeration> </xsd:restriction> </xsd:simpleType></pre>				
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd				

Simple Type spase:Dimension

Namespace	http://www.spase-group.org/data/schema
Annotations	The number of items along one axis.
Diagram	
Type	xsd:integer
Used by	Element spase:SpatialDescription/spase:Dimension
Source	<pre><xsd:simpleType name="Dimension"> <xsd:annotation> <xsd:documentation xml:lang="en">The number of items along one axis.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:integer" /> </xsd:simpleType></pre>

Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd
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Simple Type spase:CoordinatesLabel

Namespace	http://www.spase-group.org/data/schema
Annotations	A string list of the labels of each dimension of the spatial domain.
Diagram	
Type	spase:typeStringSequence
Type hierarchy	<ul style="list-style-type: none"> • xsd:string • spase:typeStringSequence • spase:CoordinatesLabel
Used by	Elements spase:SimulationDomain/spase:CoordinatesLabel, spase:SpatialDescription/spase:CoordinatesLabel
Source	<pre><xsd:simpleType name="CoordinatesLabel"> <xsd:annotation> <xsd:documentation xml:lang="en">A string list of the labels of each dimension of the spatial domain.</xsd:documentation> </xsd:annotation> <xsd:restriction base="spase:typeStringSequence" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:typeStringSequence

Namespace	http://www.spase-group.org/data/schema
Annotations	<pre><xsd:annotation> <xsd:documentation xml:lang="en">A list of strings where the order of the values is fixed. A space separates each value. For example, "one two three".</xsd:documentation> </xsd:annotation></pre>
Diagram	
Type	list of xsd:string
Used by	Simple Types spase:CoordinatesLabel, spase:FieldValue, spase:InputLabel, spase:PropertyLabel, spase:PropertyValue
Source	<pre><xsd:simpleType name="typeStringSequence"> <xsd:annotation> <xsd:documentation xml:lang="en"> <xsd:annotation> <xsd:documentation xml:lang="en">A list of strings where the order of the values is fixed. A space separates each value. For example, "one two three".</xsd:documentation> </xsd:annotation> </xsd:documentation> <xsd:list itemType="xsd:string" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:PlaneNormalVector

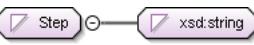
Namespace	http://www.spase-group.org/data/schema
Annotations	A list of the component in each dimension of the vector normal to a plane.
Diagram	
Type	spase:typeFloatSequence
Type hierarchy	<ul style="list-style-type: none"> • xsd:float • spase:typeFloatSequence • spase:PlaneNormalVector
Used by	Element spase:CutsDescription/spase:PlaneNormalVector

Source	<pre><xsd:simpleType name="PlaneNormalVector"> <xsd:annotation> <xsd:documentation xml:lang="en">A list of the component in each dimension of the vector normal to a plane.</xsd:documentation> </xsd:annotation> <xsd:restriction base="spase:typeFloatSequence"/> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:PlanePoint

Namespace	http://www.spase-group.org/data/schema
Annotations	A list of the component in each dimension of a point in plane.
Diagram	
Type	spase:typeFloatSequence
Type hierarchy	<ul style="list-style-type: none"> • xsd:float • spase:typeFloatSequence • spase:PlanePoint
Used by	Element spase:CutsDescription/spase:PlanePoint
Source	<pre><xsd:simpleType name="PlanePoint"> <xsd:annotation> <xsd:documentation xml:lang="en">A list of the component in each dimension of a point in plane.</xsd:documentation> </xsd:annotation> <xsd:restriction base="spase:typeFloatSequence"/> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:Step

Namespace	http://www.spase-group.org/data/schema
Annotations	Spatial step between two elements of the diagnosis.
Diagram	
Type	xsd:string
Used by	Element spase:SpatialDescription/spase:Step
Source	<pre><xsd:simpleType name="Step"> <xsd:annotation> <xsd:documentation xml:lang="en">Spatial step between two elements of the diagnosis.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string"/> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:SimulatedRegion

Namespace	http://www.spase-group.org/data/schema
Annotations	Identifiers for areas of the physical world which may be occupied or observed.
Diagram	
Type	union of(Region, spase:SpecificSimulatedRegion)
Used by	Elements spase:DisplayOutput/spase:SimulatedRegion, spase:InputField/spase:SimulatedRegion, spase:InputParameter/spase:SimulatedRegion, spase:InputPopulation/spase:SimulatedRegion, spase:InputProcess/spase:SimulatedRegion, spase:NumericalOutput/spase:SimulatedRegion, spase:RegionParameter/spase:SimulatedRegion, spase:SimulationModel/spase:SimulatedRegion, spase:SimulationRun/spase:SimulatedRegion

Source	<pre><xsd:simpleType name="SimulatedRegion"> <xsd:annotation> <xsd:documentation xml:lang="en">Identifiers for areas of the physical world which may be occupied or observed.</xsd:documentation> </xsd:annotation> <xsd:union memberTypes="spase:Region spase:SpecificSimulatedRegion"/> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:ParameterQuantity

Namespace	http://www.spase-group.org/data/schema
Annotations	
Diagram	
Type	union(FieldQuantity, ParticleQuantity, MeasurementType, ParticleType, DirectionAngle, MixedQuantity, SpectralRange, WaveQuantity, WaveType, InstrumentType, spase:ProcCoefType, spase:ProcessType, spase:Product, SupportQuantity)
Used by	Elements spase:InputParameter/spase:ParameterQuantity, spase:Property/spase:PropertyQuantity
Source	<pre><xsd:simpleType name="ParameterQuantity"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> <xsd:union memberTypes="spase:FieldQuantity spase:ParticleQuantity spase:MeasurementType spase:ParticleType spase:DirectionAngle spase:MixedQuantity spase:SpectralRange spase:WaveQuantity spase:WaveType spase:InstrumentType spase:ProcCoefType spase:ProcessType spase:Product spase:SupportQuantity"/> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:PropertyLabel

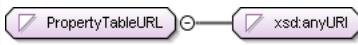
Namespace	http://www.spase-group.org/data/schema
Annotations	A string list of the labels of each dimension of the property.
Diagram	
Type	spase:typeStringSequence
Type hierarchy	<ul style="list-style-type: none"> • xsd:string • spase:typeStringSequence • spase:PropertyLabel
Used by	Element spase:Property/spase:PropertyLabel
Source	<pre><xsd:simpleType name="PropertyLabel"> <xsd:annotation> <xsd:documentation xml:lang="en">A string list of the labels of each dimension of the property.</xsd:documentation> </xsd:annotation> <xsd:restriction base="spase:typeStringSequence" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:PropertyValue

Namespace	http://www.spase-group.org/data/schema
Annotations	A string list of the values of the property.
Diagram	

Type	spase:typeStringSequence
Type hierarchy	<ul style="list-style-type: none"> xsd:string spase:typeStringSequence spase:PropertyValue
Used by	Element spase:Property/spase:PropertyValue
Source	<pre><xsd:simpleType name="PropertyValue"> <xsd:annotation> <xsd:documentation xml:lang="en">A string list of the values of the property.</x <xsd:documentation> </xsd:annotation> <xsd:restriction base="spase:typeStringSequence" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:PropertyTableURL

Namespace	http://www.spase-group.org/data/schema
Annotations	A URL to a table containing property values.
Diagram	
Type	xsd:anyURI
Used by	Element spase:Property/spase:PropertyTableURL
Source	<pre><xsd:simpleType name="PropertyTableURL"> <xsd:annotation> <xsd:documentation xml:lang="en">A URL to a table containing property values.</x <xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:anyURI" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:PropertyModel

Namespace	http://www.spase-group.org/data/schema
Annotations	Model used to define a property.
Diagram	
Type	xsd:string
Used by	Element spase:Property/spase:PropertyModel
Source	<pre><xsd:simpleType name="PropertyModel"> <xsd:annotation> <xsd:documentation xml:lang="en">Model used to define a property.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:ModelURL

Namespace	http://www.spase-group.org/data/schema
Annotations	URL pointing toward the description of a model used in the definition of a property or an input.
Diagram	
Type	xsd:anyURI
Used by	Elements spase:InputField/spase:ModelURL, spase:InputPopulation/spase:ModelURL, spase:InputProcess/spase:ModelURL, spase:Property/spase:ModelURL, spase:SimulationModel/spase:ModelURL

Source	<pre><xsd:simpleType name="ModelURL"> <xsd:annotation> <xsd:documentation xml:lang="en">URL pointing toward the description of a model used in the definition of a property or an input.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:anyURI" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:ModelID

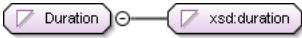
Namespace	http://www.spase-group.org/data/schema
Annotations	A string defining the ID of the model.
Diagram	
Type	spase:typeID
Type hierarchy	<ul style="list-style-type: none"> xsd:string spase:typeID spase:ModelID
Facets	pattern [^:]+ : / [^/]+ / .+
Used by	Element spase:Model/spase:ModelID
Source	<pre><xsd:simpleType name="ModelID"> <xsd:annotation> <xsd:documentation xml:lang="en">A string defining the ID of the model.</xsd:documentation> </xsd:annotation> <xsd:restriction base="spase:typeID" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:typeID

Namespace	http://www.spase-group.org/data/schema
Annotations	<pre><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></pre>
Diagram	
Type	restriction of xsd:string
Facets	pattern [^:]+ : / [^/]+ / .+
Used by	Simple Types spase:ModelID, spase:SimulatedInstrumentID
Source	<pre><xsd:simpleType name="typeID"> <xsd:annotation> <xsd:documentation xml:lang="en"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string" /> <xsd:pattern value="[^:]+ : / [^/]+ / .+" /> </xsd:restriction> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:Duration

Namespace	http://www.spase-group.org/data/schema
Annotations	Duration of the simulation.

Diagram	
Type	xsd:duration
Used by	Elements spase:DiagnosisTimeStep/spase:Duration, spase:SimulationTime/spase:Duration
Source	<pre><xsd:simpleType name="Duration"> <xsd:annotation> <xsd:documentation xml:lang="en">Duration of the simulation.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:duration"/> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:TimeStart

Namespace	http://www.spase-group.org/data/schema
Annotations	Time at which the coverage by the element start.
Diagram	
Type	xsd:time
Used by	Elements spase:DiagnosisTimeStep/spase:TimeStart, spase:SimulationTime/spase:TimeStart
Source	<pre><xsd:simpleType name="TimeStart"> <xsd:annotation> <xsd:documentation xml:lang="en">Time at which the coverage by the element start.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:time"/> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:TimeStop

Namespace	http://www.spase-group.org/data/schema
Annotations	Time at which the coverage by the element stop.
Diagram	
Type	xsd:time
Used by	Element spase:SimulationTime/spase:TimeStop
Source	<pre><xsd:simpleType name="TimeStop"> <xsd:annotation> <xsd:documentation xml:lang="en">Time at which the coverage by the element stop.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:time"/> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:TimeStep

Namespace	http://www.spase-group.org/data/schema
Annotations	Time Step.
Diagram	
Type	xsd:duration
Used by	Element spase:SimulationTime/spase:TimeStep
Source	<pre><xsd:simpleType name="TimeStep"> <xsd:annotation> <xsd:documentation xml:lang="en">Time Step.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:duration"/></pre>

	</xsd:simpleType>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:SavedQuantity

Namespace	http://www.spase-group.org/data/schema
Annotations	Quantities that are saved during a given diagnosis.
Diagram	
Type	union(FieldQuantity, ParticleQuantity, MixedQuantity, WaveQuantity, spase:Product)
Used by	Element spase:DiagnosisTimeStep/spase:SavedQuantity
Source	<pre> <xsd:simpleType name="SavedQuantity"> <xsd:annotation> <xsd:documentation xml:lang="en">Quantities that are saved during a given diagnosis.</ xsd:documentation> </xsd:annotation> <xsd:union memberTypes="spase:FieldQuantity spase:ParticleQuantity spase:MixedQuantity spase:WaveQuantity spase:Product"/> </xsd:simpleType> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:SpatialDimension

Namespace	http://www.spase-group.org/data/schema
Annotations	Number of spatial dimensions in the simulation domain.
Diagram	
Type	xsd:integer
Used by	Element spase:SimulationDomain/spase:SpatialDimension
Source	<pre> <xsd:simpleType name="SpatialDimension"> <xsd:annotation> <xsd:documentation xml:lang="en">Number of spatial dimensions in the simulation domain.</ xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:integer" /> </xsd:simpleType> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:VelocityDimension

Namespace	http://www.spase-group.org/data/schema
Annotations	Number of velocity dimensions in the simulation domain.
Diagram	
Type	xsd:integer
Used by	Element spase:SimulationDomain/spase:VelocityDimension
Source	<pre> <xsd:simpleType name="VelocityDimension"> <xsd:annotation> <xsd:documentation xml:lang="en">Number of velocity dimensions in the simulation domain.</ xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:integer" /> </xsd:simpleType> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:FieldDimension

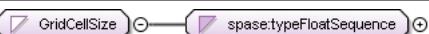
Namespace	http://www.spase-group.org/data/schema
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Annotations	Number of field dimensions in the simulation domain.
Diagram	
Type	xsd:integer
Used by	Element spase:SimulationDomain/spase:FieldDimension
Source	<pre><xsd:simpleType name="FieldDimension"> <xsd:annotation> <xsd:documentation xml:lang="en">Number of field dimensions in the simulation domain.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:integer" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:GridStructure

Namespace	http://www.spase-group.org/data/schema
Annotations	Structure of the simulation grid.
Diagram	
Type	xsd:string
Used by	Element spase:SimulationDomain/spase:GridStructure
Source	<pre><xsd:simpleType name="GridStructure"> <xsd:annotation> <xsd:documentation xml:lang="en">Structure of the simulation grid.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:GridCellSize

Namespace	http://www.spase-group.org/data/schema
Annotations	A string list of the cell sizes in each dimension.
Diagram	
Type	spase:typeFloatSequence
Type hierarchy	<ul style="list-style-type: none"> • xsd:float • spase:typeFloatSequence • spase:GridCellSize
Used by	Element spase:SimulationDomain/spase:GridCellSize
Source	<pre><xsd:simpleType name="GridCellSize"> <xsd:annotation> <xsd:documentation xml:lang="en">A string list of the cell sizes in each dimension.</xsd:documentation> </xsd:annotation> <xsd:restriction base="spase:typeFloatSequence" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:Symmetry

Namespace	http://www.spase-group.org/data/schema
Annotations	Symmetry of the simulation domain.
Diagram	
Type	restriction of xsd:string

Facets	enumeration	Axial	Axial symmetry.		
	enumeration	Central	Central Symmetry.		
	enumeration	None			
	enumeration	Plane	Symmetry across a plane.		
Used by	Element	spase:SimulationDomain/spase:Symmetry			
Source	<pre><xsd:simpleType name="Symmetry"> <xsd:annotation> <xsd:documentation xml:lang="en">Symmetry of the simulation domain.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Axial"> <xsd:annotation> <xsd:documentation xml:lang="en">Axial symmetry.</xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="Central"> <xsd:annotation> <xsd:documentation xml:lang="en">Central Symmetry.</xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="None"> <xsd:annotation> <xsd:documentation xml:lang="en"></xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="Plane"> <xsd:annotation> <xsd:documentation xml:lang="en">Symmetry across a plane.</xsd:documentation> </xsd:annotation> </xsd:enumeration> </xsd:restriction> </xsd:simpleType></pre>				
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd				

Simple Type spase:FrontWall

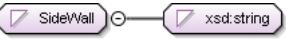
Namespace	http://www.spase-group.org/data/schema
Annotations	Front wall of the simulation domain by which the plasma flow may be injected.
Diagram	A UML class diagram fragment showing a class named "FrontWall" with a multiplicity of 1..1 connected via a directed association to a class named "xsd:string" with a multiplicity of 0..1. Both classes are enclosed in rounded rectangles with a purple header bar.
Type	xsd:string
Used by	Elements spase:ElementBoundary/spase:FrontWall, spase:typeElementBoundary/spase:FrontWall
Source	<pre><xsd:simpleType name="FrontWall"> <xsd:annotation> <xsd:documentation xml:lang="en">Front wall of the simulation domain by which the plasma flow may be injected.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string"/> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:BackWall

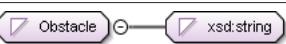
Namespace	http://www.spase-group.org/data/schema
Annotations	Back wall of the simulation domain by which the plasma flow may exit the simulation.
Diagram	A UML class diagram fragment showing a class named "BackWall" with a multiplicity of 1..1 connected via a directed association to a class named "xsd:string" with a multiplicity of 0..1. Both classes are enclosed in rounded rectangles with a purple header bar.
Type	xsd:string
Used by	Elements spase:ElementBoundary/spase:BackWall, spase:typeElementBoundary/spase:BackWall
Source	<pre><xsd:simpleType name="BackWall"> <xsd:annotation> <xsd:documentation xml:lang="en">Back wall of the simulation domain by which the plasma flow may exit the simulation.</xsd:documentation> </xsd:annotation></pre>

	<pre></xsd:annotation> <xsd:restriction base="xsd:string" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

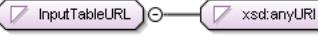
Simple Type spase:SideWall

Namespace	http://www.spase-group.org/data/schema
Annotations	Side walls of the simulation domain.
Diagram	
Type	xsd:string
Used by	Elements spase:ElementBoundary/spase:SideWall, spase:typeElementBoundary/spase:SideWall
Source	<pre><xsd:simpleType name="SideWall"> <xsd:annotation> <xsd:documentation xml:lang="en">Side walls of the simulation domain.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:Obstacle

Namespace	http://www.spase-group.org/data/schema
Annotations	Obstacle in the simulation domain.
Diagram	
Type	xsd:string
Used by	Elements spase:ElementBoundary/spase:Obstacle, spase:typeElementBoundary/spase:Obstacle
Source	<pre><xsd:simpleType name="Obstacle"> <xsd:annotation> <xsd:documentation xml:lang="en">Obstacle in the simulation domain.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:InputTableURL

Namespace	http://www.spase-group.org/data/schema
Annotations	A URL to a table containing input parameters.
Diagram	
Type	xsd:anyURI
Used by	Elements spase:InputField/spase:InputTableURL, spase:InputParameter/spase:InputTableURL, spase:InputPopulation/spase:InputTableURL, spase:RegionParameter/spase:InputTableURL
Source	<pre><xsd:simpleType name="InputTableURL"> <xsd:annotation> <xsd:documentation xml:lang="en">A URL to a table containing input parameters.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:anyURI" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:ChemicalFormula

Namespace	http://www.spase-group.org/data/schema
Annotations	Chemical formula representing a population of particle.

Diagram	
Type	xsd:string
Used by	Element spase:InputPopulation/spase:ChemicalFormula
Source	<pre><xsd:simpleType name="ChemicalFormula"> <xsd:annotation> <xsd:documentation xml:lang="en">Chemical formula representing a population of particle.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:PopulationChargeState

Namespace	http://www.spase-group.org/data/schema
Annotations	Charge of a particle in a population, in units of the charge of a proton. Charge state of a bare proton = 1.
Diagram	
Type	xsd:double
Used by	Element spase:InputPopulation/spase:PopulationChargeState
Source	<pre><xsd:simpleType name="PopulationChargeState"> <xsd:annotation> <xsd:documentation xml:lang="en">Charge of a particle in a population, in units of the charge of a proton. Charge state of a bare proton = 1.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:double" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:Distribution

Namespace	http://www.spase-group.org/data/schema
Annotations	Velocity distribution of the particles in a population.
Diagram	
Type	xsd:string
Used by	Element spase:InputPopulation/spase:Distribution
Source	<pre><xsd:simpleType name="Distribution"> <xsd:annotation> <xsd:documentation xml:lang="en">Velocity distribution of the particles in a population.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:DensityProfile

Namespace	http://www.spase-group.org/data/schema
Annotations	Density profile of the particles in a population.
Diagram	
Type	xsd:string
Used by	Element spase:InputPopulation/spase:DensityProfile
Source	<pre><xsd:simpleType name="DensityProfile"> <xsd:annotation></pre>

	<pre><xsd:documentation xml:lang="en">Density profile of the particles in a population.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:InputLabel

Namespace	http://www.spase-group.org/data/schema
Annotations	A string list of the labels of each dimension of the input parameter.
Diagram	
Type	spase:typeStringSequence
Type hierarchy	<ul style="list-style-type: none"> • xsd:string • spase:typeStringSequence • spase:InputLabel
Used by	Element spase:InputField/spase:InputLabel
Source	<pre><xsd:simpleType name="InputLabel"> <xsd:annotation> <xsd:documentation xml:lang="en">A string list of the labels of each dimension of the input parameter.</xsd:documentation> </xsd:annotation> <xsd:restriction base="spase:typeStringSequence" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:FieldValue

Namespace	http://www.spase-group.org/data/schema
Annotations	A string list of the values of the input parameter.
Diagram	
Type	spase:typeStringSequence
Type hierarchy	<ul style="list-style-type: none"> • xsd:string • spase:typeStringSequence • spase:FieldValue
Used by	Element spase:InputField/spase:FieldValue
Source	<pre><xsd:simpleType name="FieldValue"> <xsd:annotation> <xsd:documentation xml:lang="en">A string list of the values of the input parameter.</xsd:documentation> </xsd:annotation> <xsd:restriction base="spase:typeStringSequence" /> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:FieldModel

Namespace	http://www.spase-group.org/data/schema
Annotations	Field model imposed in the simulation run.
Diagram	
Type	xsd:string
Used by	Element spase:InputField/spase:FieldModel
Source	<pre><xsd:simpleType name="FieldModel"> <xsd:annotation></pre>

	<pre><xsd:documentation xml:lang="en">Field model imposed in the simulation run.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string"/> </xsd:simpleType></pre>
Schema location	

	<pre> <xsd:annotation> <xsd:documentation xml:lang="en">Coefficient associated to a chemical process.</ xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string"/> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type **spase:ProcCoefType**

Namespace	http://www.spase-group.org/data/schema													
Annotations	Whether the simulation results are obtained from a stationary solution or are dynamically computed.													
Diagram	<pre> classDiagram class ProcCoefType { <<simple type>> } class xsd:string { <<string type>> } ProcCoefType < -- xsd:string </pre>													
Type	restriction of xsd:string													
Facets	<table> <tr> <td>enumeration</td> <td>CrossSection</td> <td>Cross section of the reaction, when the reaction implies the collision of two particles.</td> </tr> <tr> <td>enumeration</td> <td>Frequency</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Other</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Rate</td> <td>Reaction rate: reaction production per unit of time.</td> </tr> </table>		enumeration	CrossSection	Cross section of the reaction, when the reaction implies the collision of two particles.	enumeration	Frequency		enumeration	Other		enumeration	Rate	Reaction rate: reaction production per unit of time.
enumeration	CrossSection	Cross section of the reaction, when the reaction implies the collision of two particles.												
enumeration	Frequency													
enumeration	Other													
enumeration	Rate	Reaction rate: reaction production per unit of time.												
Used by	Element	spase:InputProcess/spase:ProcessCoeffType												
Source	<pre> <xsd:simpleType name="ProcCoefType"> <xsd:annotation> <xsd:documentation xml:lang="en">Whether the simulation results are obtained from a stationary solution or are dynamically computed.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string"> <xsd:enumeration value="CrossSection"> <xsd:annotation> <xsd:documentation xml:lang="en">Cross section of the reaction, when the reaction implies the collision of two particles.</xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="Frequency"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="Other"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="Rate"> <xsd:annotation> <xsd:documentation xml:lang="en">Reaction rate: reaction production per unit of time.</ xsd:documentation> </xsd:annotation> </xsd:enumeration> </xsd:restriction> </xsd:simpleType></pre>													
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd													

Simple Type **spase:ProcessModel**

Namespace	http://www.spase-group.org/data/schema	
Annotations	Model used to describe a chemical process.	
Diagram	<pre> classDiagram class ProcessModel { <<simple type>> } class xsd:string { <<string type>> } ProcessModel < -- xsd:string </pre>	
Type	xsd:string	
Used by	Element	spase:InputProcess/spase:ProcessModel
Source	<pre> <xsd:simpleType name="ProcessModel"></pre>	

	<pre> <xsd:annotation> <xsd:documentation xml:lang="en">Model used to describe a chemical process.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string" /> </xsd:simpleType> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:SimulatedInstrumentID

Namespace	http://www.spase-group.org/data/schema
Annotations	The identifier of the a simulated instrument description.
Diagram	
Type	spase:typeID
Type hierarchy	<ul style="list-style-type: none"> • xsd:string • spase:typeID • spase:SimulatedInstrumentID
Facets	pattern [^:]+ : / [^/]+ / .+
Used by	Elements spase:DisplayOutput/spase:SimulatedInstrumentID, spase:NumericalOutput/spase:SimulatedInstrumentID
Source	<pre> <xsd:simpleType name="SimulatedInstrumentID"> <xsd:annotation> <xsd:documentation xml:lang="en">The identifier of the a simulated instrument description.</xsd:documentation> </xsd:annotation> <xsd:restriction base="spase:typeID" /> </xsd:simpleType> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:Product

Namespace	http://www.spase-group.org/data/schema												
Annotations	Type of article or asset.												
Diagram													
Type	restriction of xsd:string												
Facets	<table border="0"> <tr> <td>enumeration</td> <td>2DCuts</td> </tr> <tr> <td>enumeration</td> <td>3DCubes</td> </tr> <tr> <td>enumeration</td> <td>Lines</td> </tr> <tr> <td>enumeration</td> <td>SpatialSeries</td> </tr> <tr> <td>enumeration</td> <td>Spectra</td> </tr> <tr> <td>enumeration</td> <td>TimeSeries</td> </tr> </table>	enumeration	2DCuts	enumeration	3DCubes	enumeration	Lines	enumeration	SpatialSeries	enumeration	Spectra	enumeration	TimeSeries
enumeration	2DCuts												
enumeration	3DCubes												
enumeration	Lines												
enumeration	SpatialSeries												
enumeration	Spectra												
enumeration	TimeSeries												
Used by	Elements spase:DisplayOutput/spase:SimulationProduct, spase:NumericalOutput/spase:SimulationProduct												
Source	<pre> <xsd:simpleType name="Product"> <xsd:annotation> <xsd:documentation xml:lang="en">Type of article or asset.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string"> <xsd:enumeration value="2DCuts"> <xsd:annotation> <xsd:documentation xml:lang="en"></xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="3DCubes"> <xsd:annotation> <xsd:documentation xml:lang="en"></xsd:documentation> </xsd:annotation> </xsd:enumeration> </xsd:restriction> </xsd:simpleType> </pre>												

	<pre> <xsd:enumeration value="Lines"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="SpatialSeries"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="Spectra"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:enumeration> <xsd:enumeration value="TimeSeries"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:enumeration> </xsd:restriction> </xsd:simpleType> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:Population

Namespace	http://www.spase-group.org/data/schema
Annotations	A concise description of a particle population, for references.
Diagram	
Type	xsd:string
Source	<pre> <xsd:simpleType name="Population"> <xsd:annotation> <xsd:documentation xml:lang="en">A concise description of a particle population, for references.</xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:string" /> </xsd:simpleType> </pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Simple Type spase:SpecificSimulatedRegion

Namespace	http://www.spase-group.org/data/schema																														
Annotations	Identifiers for areas of the physical world which may be occupied or observed.																														
Diagram																															
Type	restriction of xsd:string																														
Facets	<table> <tr> <td>enumeration</td> <td>Callisto</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Enceladus</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Europa</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Ganymede</td> <td>The biggest moon of Jupiter planet in our solar system.</td> </tr> <tr> <td>enumeration</td> <td>Incident</td> <td>Direction-dependent property.</td> </tr> <tr> <td>enumeration</td> <td>Io</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Planet</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Rhea</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Titan</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Title</td> <td></td> </tr> </table>	enumeration	Callisto		enumeration	Enceladus		enumeration	Europa		enumeration	Ganymede	The biggest moon of Jupiter planet in our solar system.	enumeration	Incident	Direction-dependent property.	enumeration	Io		enumeration	Planet		enumeration	Rhea		enumeration	Titan		enumeration	Title	
enumeration	Callisto																														
enumeration	Enceladus																														
enumeration	Europa																														
enumeration	Ganymede	The biggest moon of Jupiter planet in our solar system.																													
enumeration	Incident	Direction-dependent property.																													
enumeration	Io																														
enumeration	Planet																														
enumeration	Rhea																														
enumeration	Titan																														
enumeration	Title																														
Source	<pre> <xsd:simpleType name="SpecificSimulatedRegion"> </pre>																														

```

<xsd:annotation>
  <xsd:documentation xml:lang="en">Identifiers for areas of the physical world which may be
occupied or observed.</xsd:documentation>
</xsd:annotation>
<xsd:restriction base="xsd:string">
  <xsd:enumeration value="Callisto">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        </xsd:documentation>
    </xsd:annotation>
  </xsd:enumeration>
  <xsd:enumeration value="Enceladus">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        </xsd:documentation>
    </xsd:annotation>
  </xsd:enumeration>
  <xsd:enumeration value="Europa">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        </xsd:documentation>
    </xsd:annotation>
  </xsd:enumeration>
  <xsd:enumeration value="Ganymede">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">The biggest moon of Jupiter planet in our solar system.</
xsd:documentation>
    </xsd:annotation>
  </xsd:enumeration>
  <xsd:enumeration value="Incident">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">Direction-dependent property.</xsd:documentation>
    </xsd:annotation>
  </xsd:enumeration>
  <xsd:enumeration value="Io">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        </xsd:documentation>
    </xsd:annotation>
  </xsd:enumeration>
  <xsd:enumeration value="Planet">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        </xsd:documentation>
    </xsd:annotation>
  </xsd:enumeration>
  <xsd:enumeration value="Rhea">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        </xsd:documentation>
    </xsd:annotation>
  </xsd:enumeration>
  <xsd:enumeration value="Titan">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        </xsd:documentation>
    </xsd:annotation>
  </xsd:enumeration>
  <xsd:enumeration value="Title">
    <xsd:annotation>
      <xsd:documentation xml:lang="en">
        </xsd:documentation>
    </xsd:annotation>
  </xsd:enumeration>
</xsd:restriction>
</xsd:simpleType>

```

Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd
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Simple Type spase:typeSequence

Namespace	http://www.spase-group.org/data/schema
Annotations	<xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation>
Diagram	
Type	list of xsd:integer

Source	<pre><xsd:simpleType name="typeSequence"> <xsd:annotation> <xsd:documentation xml:lang="en"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:documentation> </xsd:annotation> <xsd:list itemType="xsd:integer"/> </xsd:simpleType></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element Group(s)

Element Group spase:CutsDescription

Namespace	http://www.spase-group.org/data/schema
Diagram	<pre> classDiagram class CutsDescription { <<Complex Type>> <<spase:SpatialDescription>> } class PlaneNormalVector { <<PlaneNormalVector>> <<Type spase:PlaneNormalVector>> } class PlanePoint { <<PlanePoint>> <<Type spase:PlanePoint>> } CutsDescription "0..1" -- "1..1" PlaneNormalVector CutsDescription "0..1" -- "1..1" PlanePoint </pre>
Used by	Complex Type spase:SpatialDescription
Model	spase:PlaneNormalVector , spase:PlanePoint
Children	spase:PlaneNormalVector, spase:PlanePoint
Source	<pre><xsd:group name="CutsDescription"> <xsd:sequence> <xsd:element name="PlaneNormalVector" type="spase:PlaneNormalVector" minOccurs="1" maxOccurs="1"/> <xsd:element name="PlanePoint" type="spase:PlanePoint" minOccurs="1" maxOccurs="1"/> </xsd:sequence> </xsd:group></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Element Group spase:CubesDescription

Namespace	http://www.spase-group.org/data/schema
Diagram	<pre> classDiagram class CubesDescription { <<Complex Type>> <<spase:SpatialDescription>> } class RegionBegin { <<RegionBegin>> <<Type spase:RegionBegin>> } class RegionEnd { <<RegionEnd>> <<Type spase:RegionEnd>> } CubesDescription "0..1" -- "1..1" RegionBegin CubesDescription "0..1" -- "1..1" RegionEnd </pre>
Used by	Complex Type spase:SpatialDescription
Model	spase:RegionBegin , spase:RegionEnd
Children	spase:RegionBegin, spase:RegionEnd
Source	<pre><xsd:group name="CubesDescription"> <xsd:sequence> <xsd:element name="RegionBegin" type="spase:RegionBegin" minOccurs="1" maxOccurs="1"/> <xsd:element name="RegionEnd" type="spase:RegionEnd" minOccurs="1" maxOccurs="1"/> </xsd:sequence> </xsd:group></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Namespace: ""

Attribute(s)

Attribute spase:typeValue / @Units

Namespace	No namespace
-----------	--------------

Annotations	<pre><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></pre>
Type	xsd:string
Properties	content: simple
Used by	Complex Type spase:typeValue
Source	<pre><xsd:attribute name="Units" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:documentation> </xsd:annotation> </xsd:attribute></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Attribute spase:typeValue / @UnitsConversion

Namespace	No namespace
Annotations	<pre><xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation></pre>
Type	xsd:string
Properties	content: simple
Used by	Complex Type spase:typeValue
Source	<pre><xsd:attribute name="UnitsConversion" type="xsd:string"> <xsd:annotation> <xsd:documentation xml:lang="en"> <xsd:annotation> <xsd:documentation xml:lang="en"> </xsd:documentation> </xsd:annotation> </xsd:documentation> </xsd:annotation> </xsd:attribute></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd

Attribute spase:Spase / @lang

Namespace	No namespace
Type	xsd:string
Properties	default: en
Used by	Complex Type spase:Spase
Source	<pre><xsd:attribute name="lang" type="xsd:string" default="en"/></pre>
Schema location	file:/C:/Projects/work/spase/data-model/spase-model-tools/build/bin/spase-sim-1_0_0.xsd