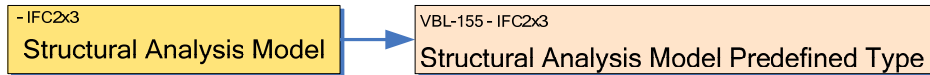


IFC Release Specific Concept Description (IFC2x3)

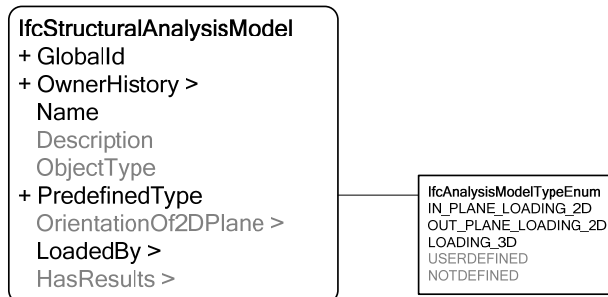
Structural Analysis Model Predefined Type

Reference	VBL-155	Version	1.0	Status	Proposal
Relationships	Implements generic static concept 'Structural Analysis Model Type'.				
History	Created 5.10.2006				
Authors	Sakari Lehtinen				
Document Owner	Virtual Building Laboratory @ TUT (sakari.lehtinen@tut.fi)				

Usage in view definition diagram



Instantiation diagram



Implementation agreements

This type definition is used to distinguish between different types of structural analysis models. The analysis models are differentiated by their dimensionality.

- *PredefinedType*. Allowed values are: IN_PLANE_LOADING_2D, OUT_PLANE_LOADING_2D, LOADING_3D.
- *OrientationOf2DPlane*. Used only with IN_PLANE_LOADING_2D, OUT_PLANE_LOADING_2D. The orientation is needed to define the upright direction to the focused plane (z-axes). This is needed because all data for the structural analysis model (structural members, structural activities) are defined by using 3-D space.

Additional information

P21 example

```
#28=IFCSTRUCTURALANALYSISMODEL('2uRpA0c3HFLcw0f7ywxmPv',#2,'Example model',$,$,LOADING_3D,$,($8,$16,$33),$);
```

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The content of this document has to be certified by the IAI before becoming part of an official IFC Model View Definition.