

# IFC Release Specific Concept Description (IFC2x3)

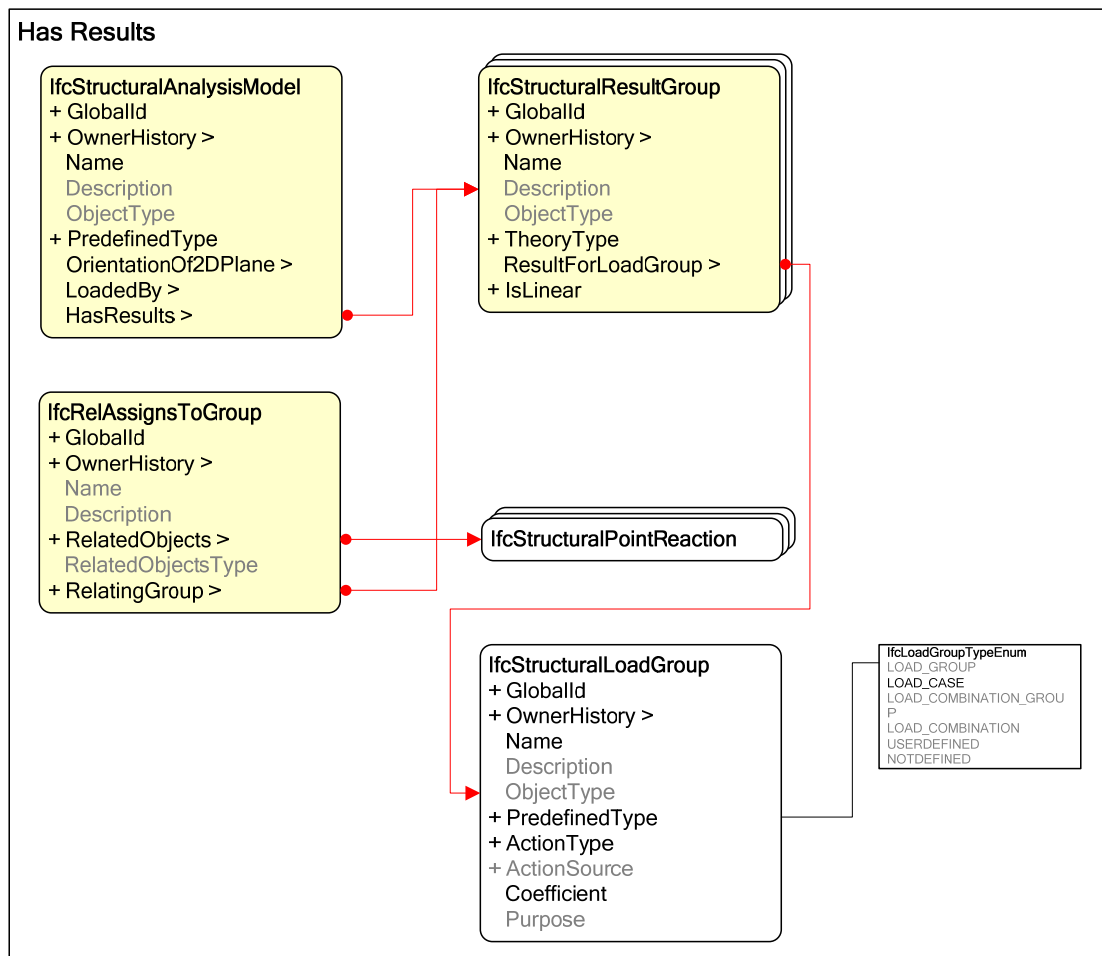
## Has Result

Reference	VBL-175	Version	1	Status	Proposal
Relationships	Implements general concept VBL-116 "Structural Loaded by"				
History	Created 4.2.2008				
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### Usage in view definition diagram



### Instantiation diagram



## Implementation agreements

### IfcStructuralAnalysisModel

Attribute	Implementation agreements
GlobalId	<Open>
OwnerHistory	<Open>
Name	<Open>
Description	<Open>
ObjectType	<Open>
PredefinedType	<Open>
OrientationOf2DPlane	<Open>
LoadedBy	<Open>
HasResults	Must be list of IfcStructuralResultGroups.

### IfcStructuralResultGroup

Attribute	Implementation agreements
GlobalId	<Open>
OwnerHistory	<Open>
Name	<Open>
Description	<Open>
ObjectType	<Open>
TheoryType	<Open>
ResultForLoadGroup	Reference to one IfcStructuralLoadGroup, which has 'LOAD_CASE' for PredefinedType.
IsLinear	<Open>

### IfcRelAssignsToGroup

Attribute	Implementation agreements
GlobalId	Providing a GUID is mandatory, but the GUID is allowed to change.
OwnerHistory	Providing an OwnerHistory is mandatory, but it is allowed to use dummy data.
Name	<Open>
Description	<Open>
RelatedObjects	Must be list of IfcStructuralPointReactions.
RelatedObjectsType	<Open>
RelatingGroup	Must be IfcStructuralResultGroup.

## Additional information

### P21 example

This document uses the official IFC Model View Definition Format version 1.1.0. of the IAI ([www.iai-international.org](http://www.iai-international.org))  
The content of this document has to be certified by the IAI before becoming part of an official IFC Model View Definition.