

IFC as a data exchange format

Assignment

Learning Objectives

At the end of this assignment, the learner is expected to be able to:

- Examine the records in an IFC STEP file.
- Explain the properties specified by the IFC records.

Expected Workload

1 assignment, 8 classroom hours, 0.5 ECTS (ECVET)

Abstract

The aim of this assignment is to clarify the structure and content of an IFC file. The learner will open the textual version of an IFC file and element by element relate each property to the corresponding part of the IFC standard specification.



Assignment

Analyse the roof of the building in the file “AC20-FZK-Haus.ifc” in the following way:

1. Explain the entity inheritance structure of the roof, starting with the IfcRoot.

2. Describe the attributes of the roof by specifying the attribute names and their values. Links to other entities may be specified by using the ‘#’-sign and their entity number.