

# A Finite Cell Method plugin for Rhino

## Setting:

- The FCM is a powerful embedded domain method based on high order finite elements
- The chair has developed a flexible high order FEM framework capable of numerical analysis by means of the FCM
- The goal is to interface the FEM code to the geometric modeling software Rhinoceros

## Tasks:

Create a Rhinoceros plugin that:

- allows users to set up a 3D linear structural analysis in Rhinoceros
- allows for calling the chair's new code AdhoC++, which computes the solution of the problem
- enables users to visualize basic results, such as displacements and stresses

## Project Characteristics

Modeling:	★★★★☆
Mathematics:	★★☆☆☆
Programming:	★★★★★
Science:	★★☆☆☆

