

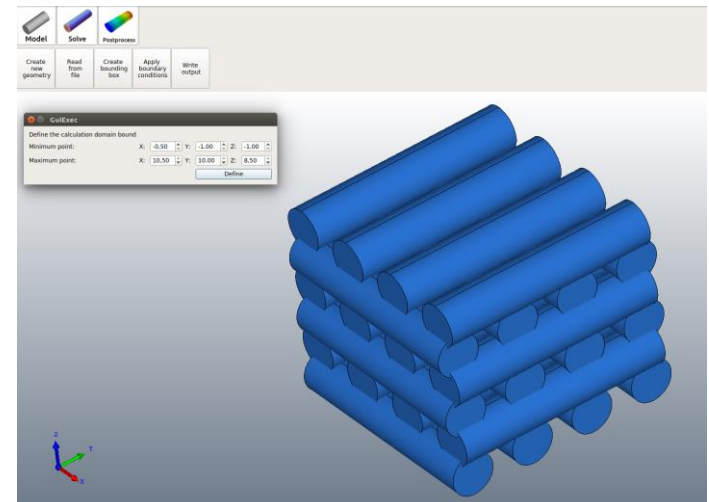
A preprocessor tool for the numerical simulations of additively manufactured porous steel parts

Setting:

- The design process of new additively manufactured structures requires numerical tools, enabling the preliminary determination of the mechanical parameters
- Creation of a suitable geometrical model of the additively manufactured porous metal part is essential for precise determination of the mechanical properties

Project Characteristics

Physics: ★☆☆☆☆
Mathematics: ★☆☆☆☆
Programming: ★★★★★



A preprocessor tool for the numerical simulations of additively manufactured porous steel parts

Task:

Develop the GUI AM Preprocessor, which enables:

- Flexible and user-friendly functionality for the design of the synthetic geometrical model
- Preparation of the CT-scans for further numerical computations

Project Characteristics

Physics: ★☆☆☆☆
Mathematics: ★☆☆☆☆
Programming: ★★★★★

