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IvanAssing / **FEA_MNE715**

Finite Element Analysis Software (project of the course MNE715)

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truss3dreader.cpp	updated version 1.0beta	6 hours ago
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viewController.cpp	updated version 1.0beta	6 hours ago
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README.md

FEA_MNE715

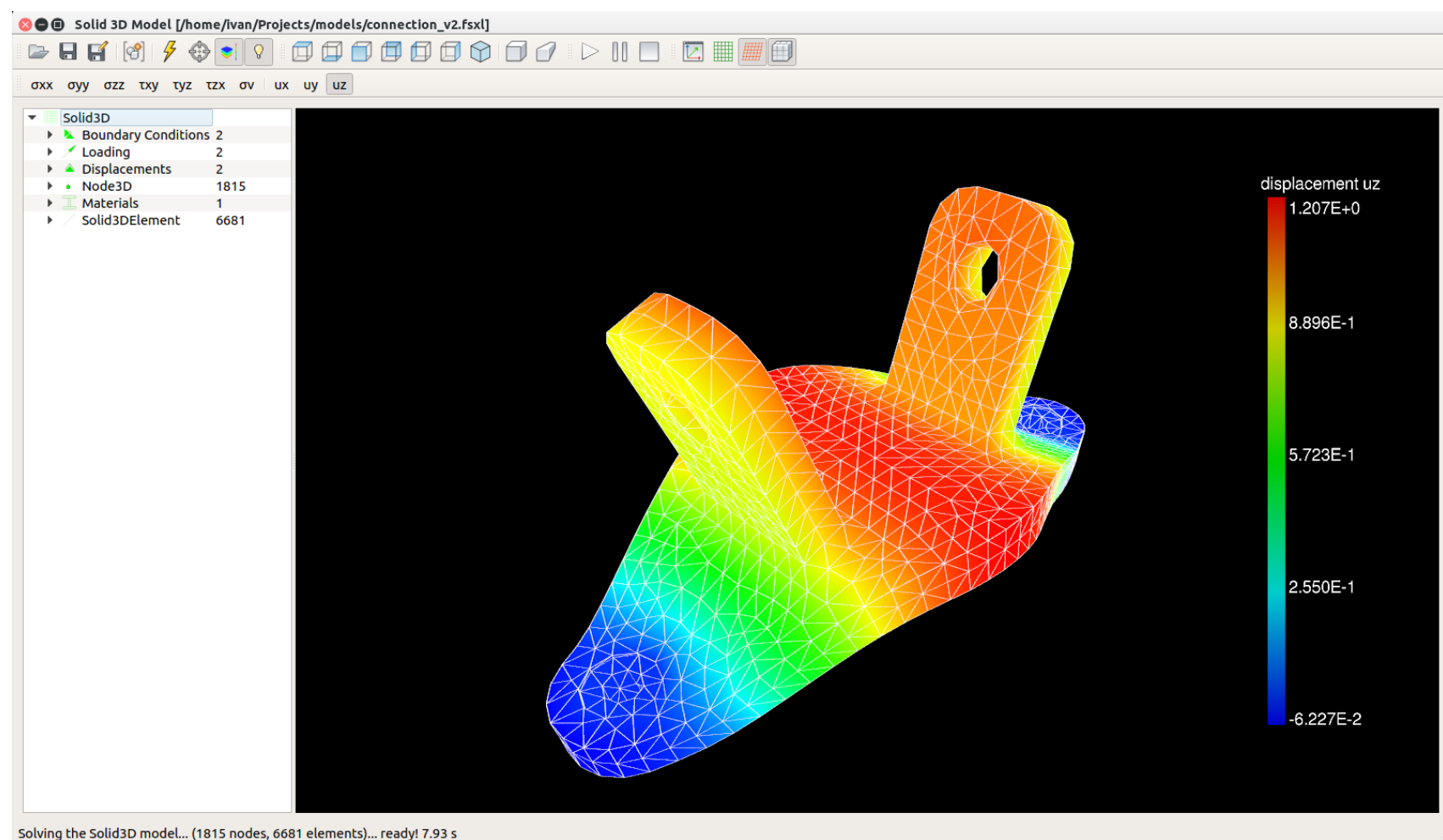
Finite Element Analysis Software (project of the course MNE715)

MNE715 - Development of Interactive Systems in Engineering

UFPR / PPGMNE

Finite Elements For Linear Elastic Analysis

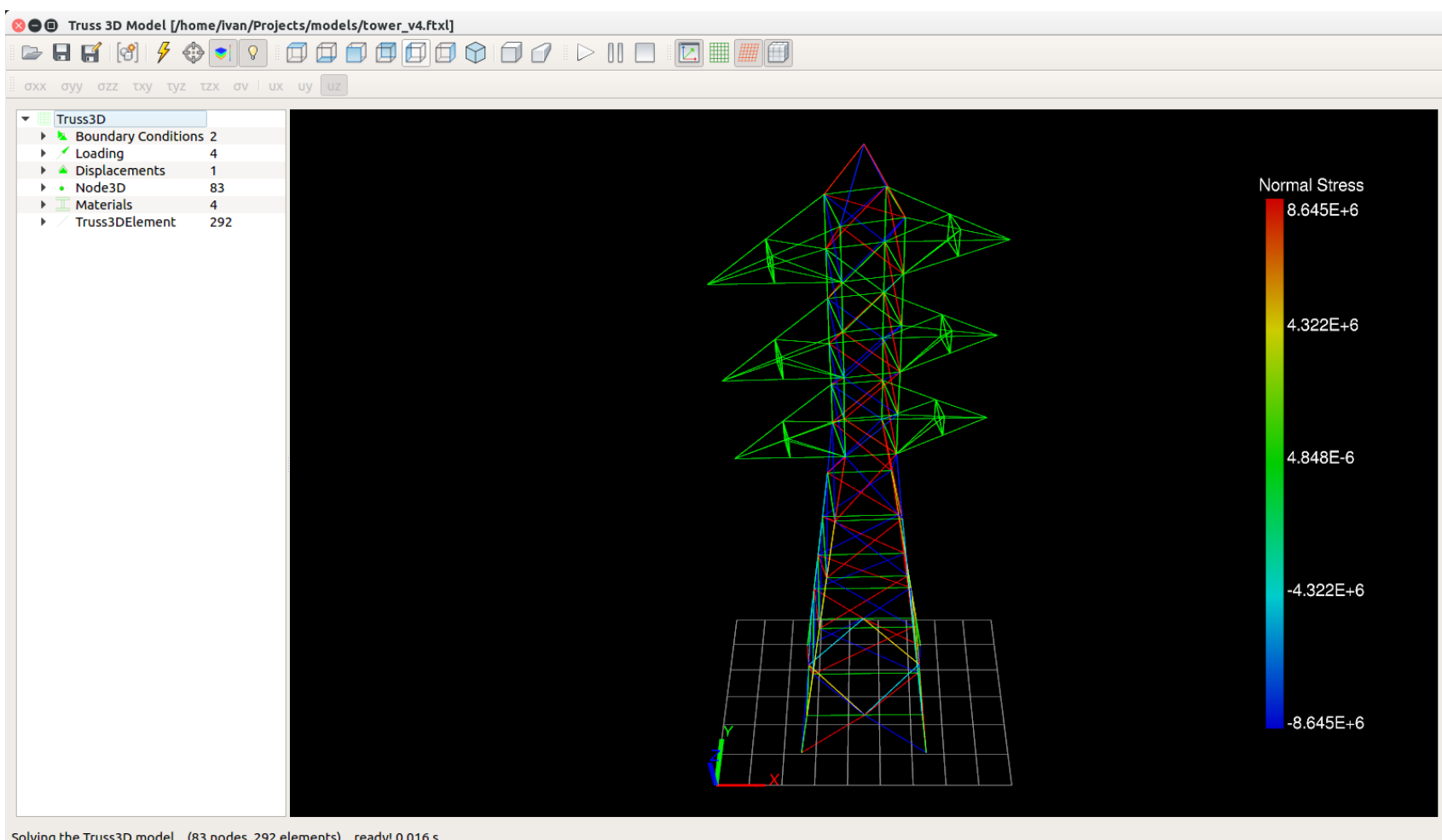
- Truss3D - Linear Truss Element
- Solid3D - Linear Tetrahedral Element



Input Models

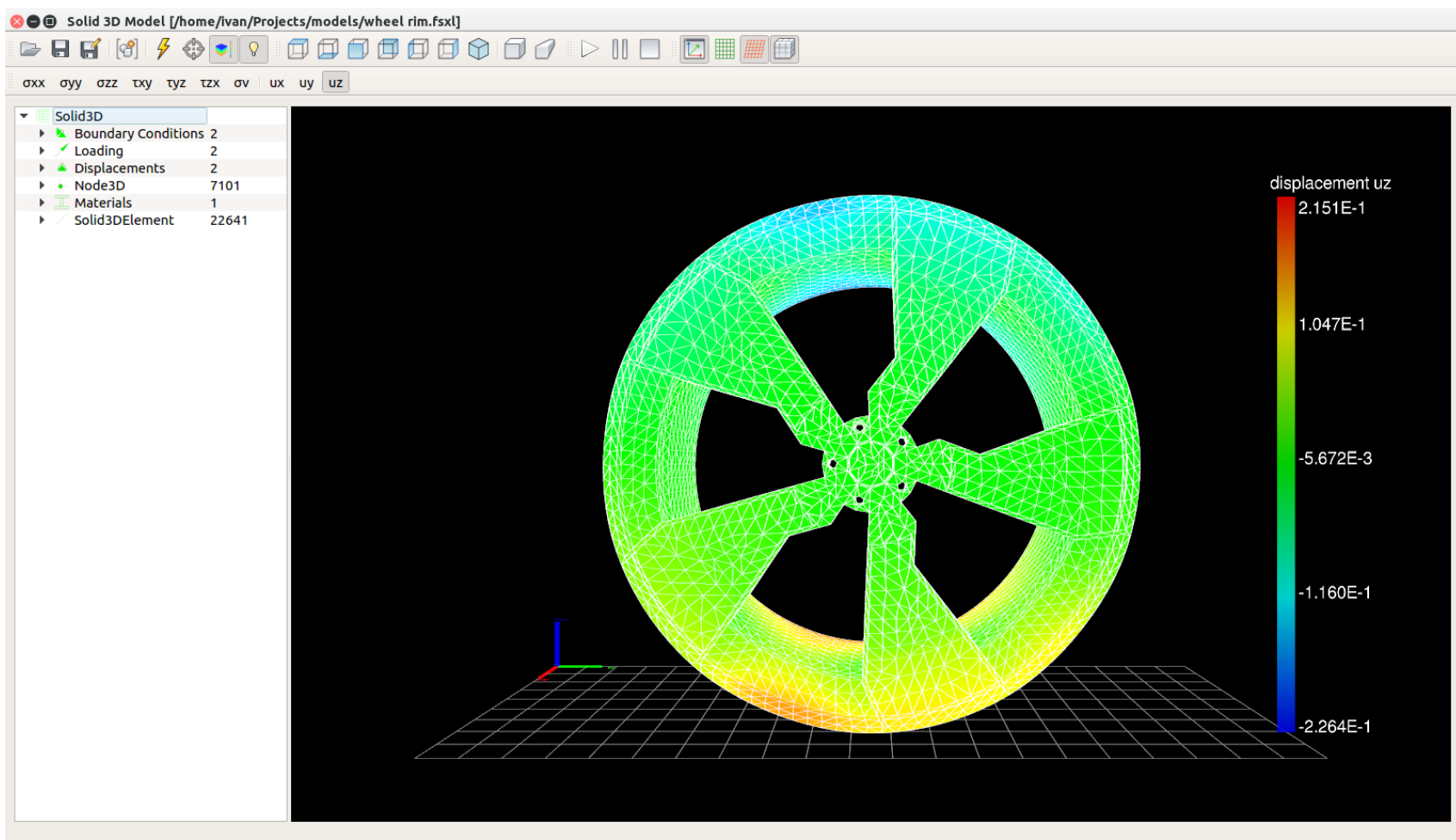
Truss3D Models

- DXF - Drawing Exchange Format
- FTXL - Truss3D Native Format (XML)
- FT3D - Truss3D Native Format (Text)



Solid3D Models

- CDB - ANSYS Mesh Format
- FSXL - Solid3D Native Format (XML)



Prerequisites

- Atlas 3.10.3 + Lapack 3.7.0
- [Mth Project](#)
- dxflib 3.17.0
- Freetype 2.8
- OpenGL 4.5
- Qt 5.9.1

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Authors

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Screenshots

