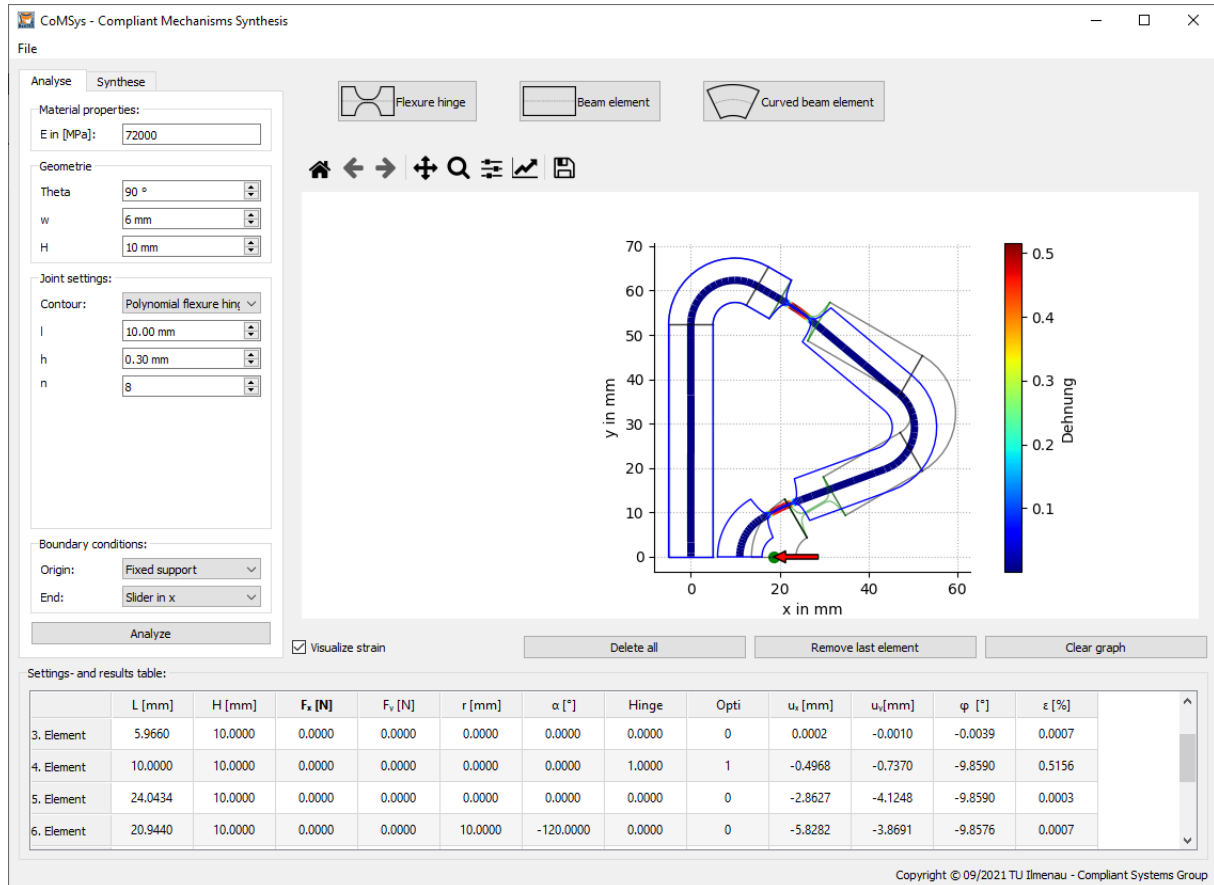


## CoMSys – Compliant Mechanism Synthesis

**Software:** Design tool for the analysis and synthesis of freely designable planar compliant mechanisms.



### Features:

- stand-alone application
- intuitive and fast creation of a new mechanism design
- different boundary conditions possible
- large deformations considered
- synthesis of the optimal joint position with different criteria
- numerical solution within a few seconds
- displacements, strains, angles are determined for each section
- graphical representation of the strain
- Termination of the optimization

### Application:

- Design and modeling of compliant mechanisms
- Analysis of deformation behavior
- Analysis of force-displacement dependencies
- Optimization of the hinge position along a given rod axis