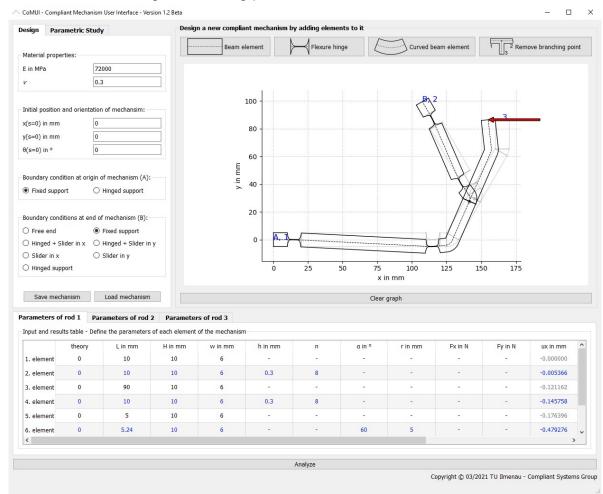


## **CoMUI – Compliant Mechanism User Interface**

**Software:** Design tool for the analysis and synthesis of freely designable compliant mechanisms including a branching point



## Features:

- standalone application
- modeling of concentrated and distributed compliance
- intuitive and fast establishment of a new mechanism design
- various boundary conditions possible
- large deflections considered
- bending, shear and lateral contraction can be considered
- parametric studies
- numerical solution within a few seconds
- displacements, strains, angles obtained for each section

## **Application:**

- design and modeling of compliant mechanisms
- analysis of the deformation behavior
- analysis of force-displacement dependencies
- optimization of geometry based on parametric studies