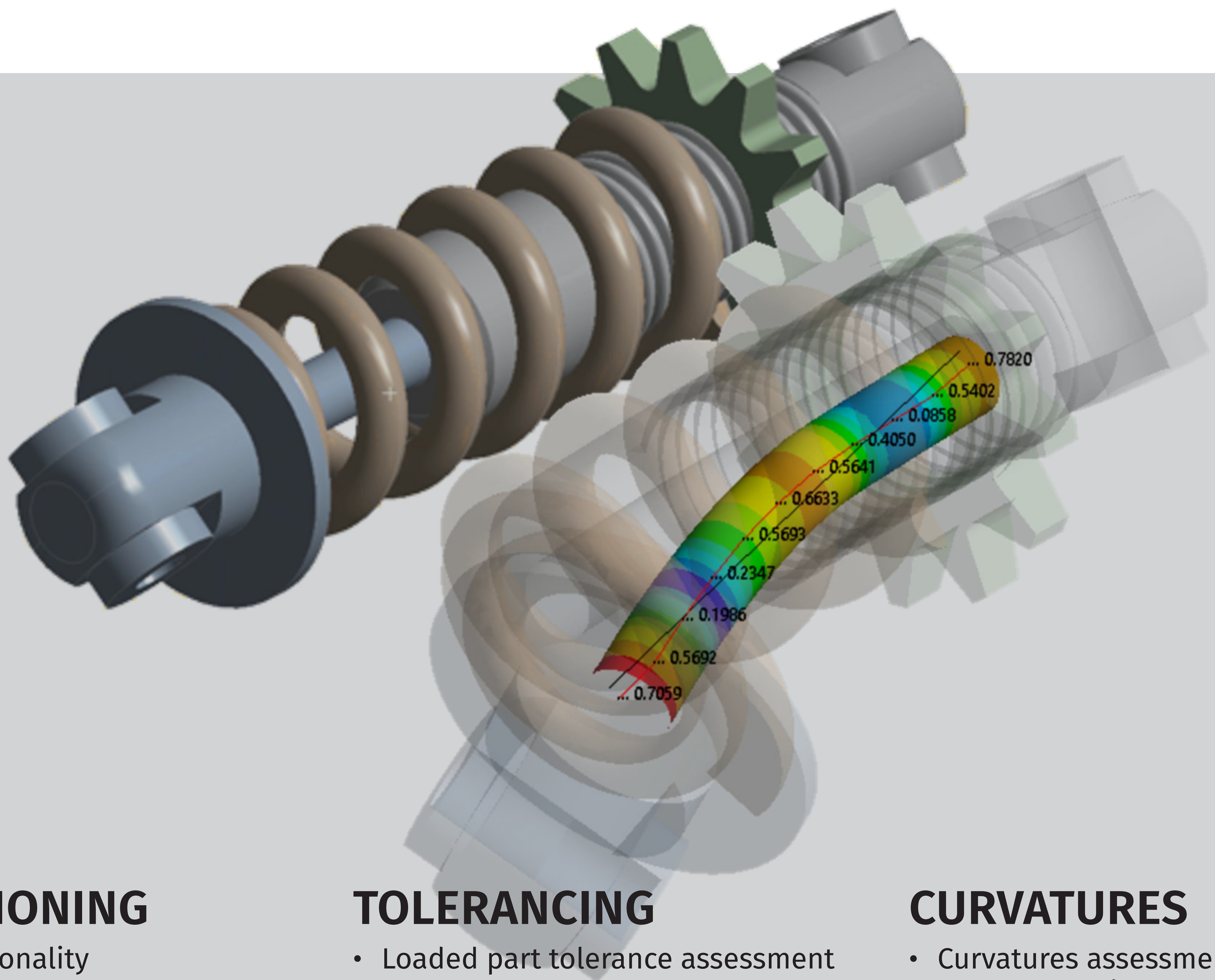


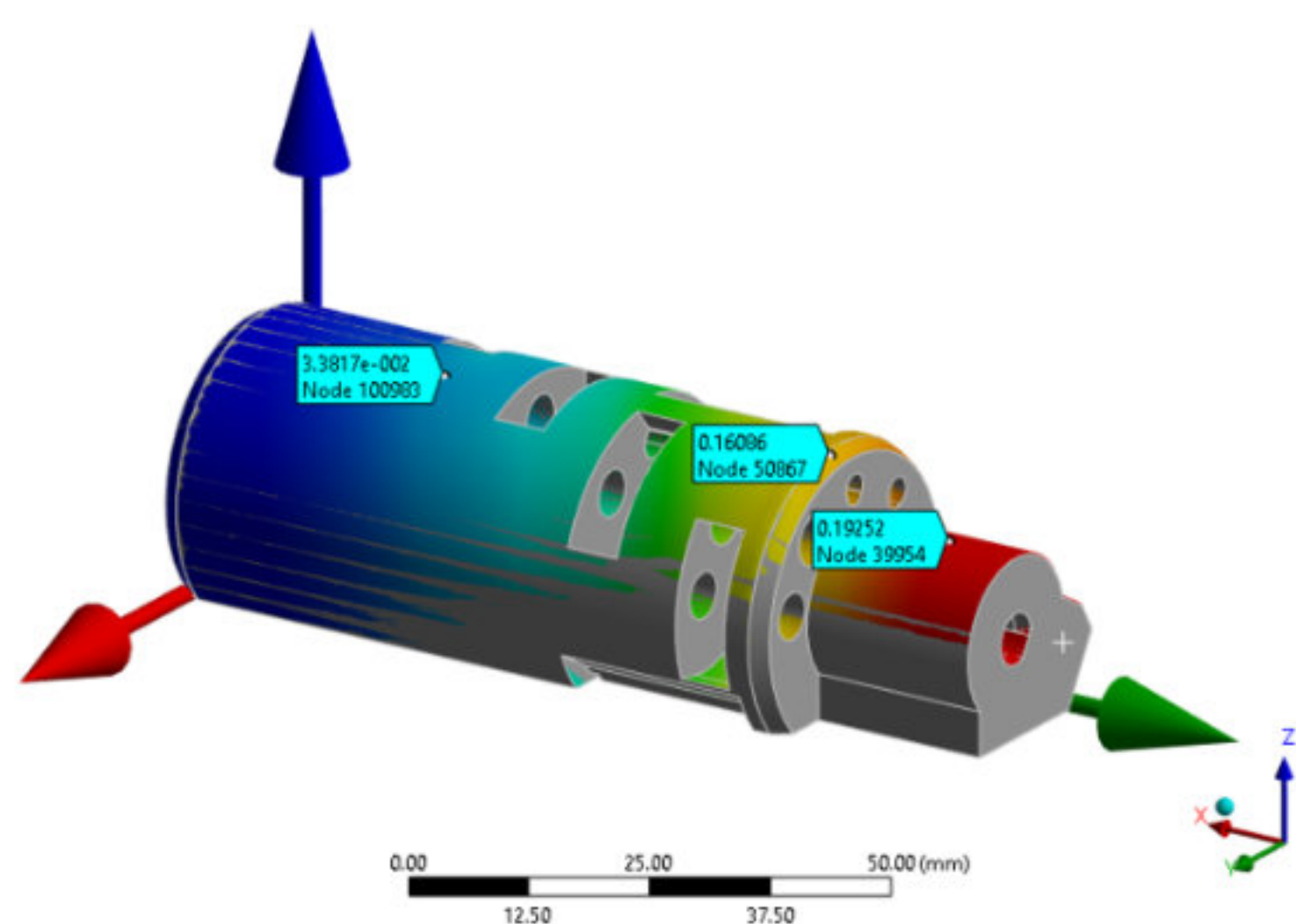
GDT INSIDE ANSYS

Geometrical Dimensioning & Tolerancing



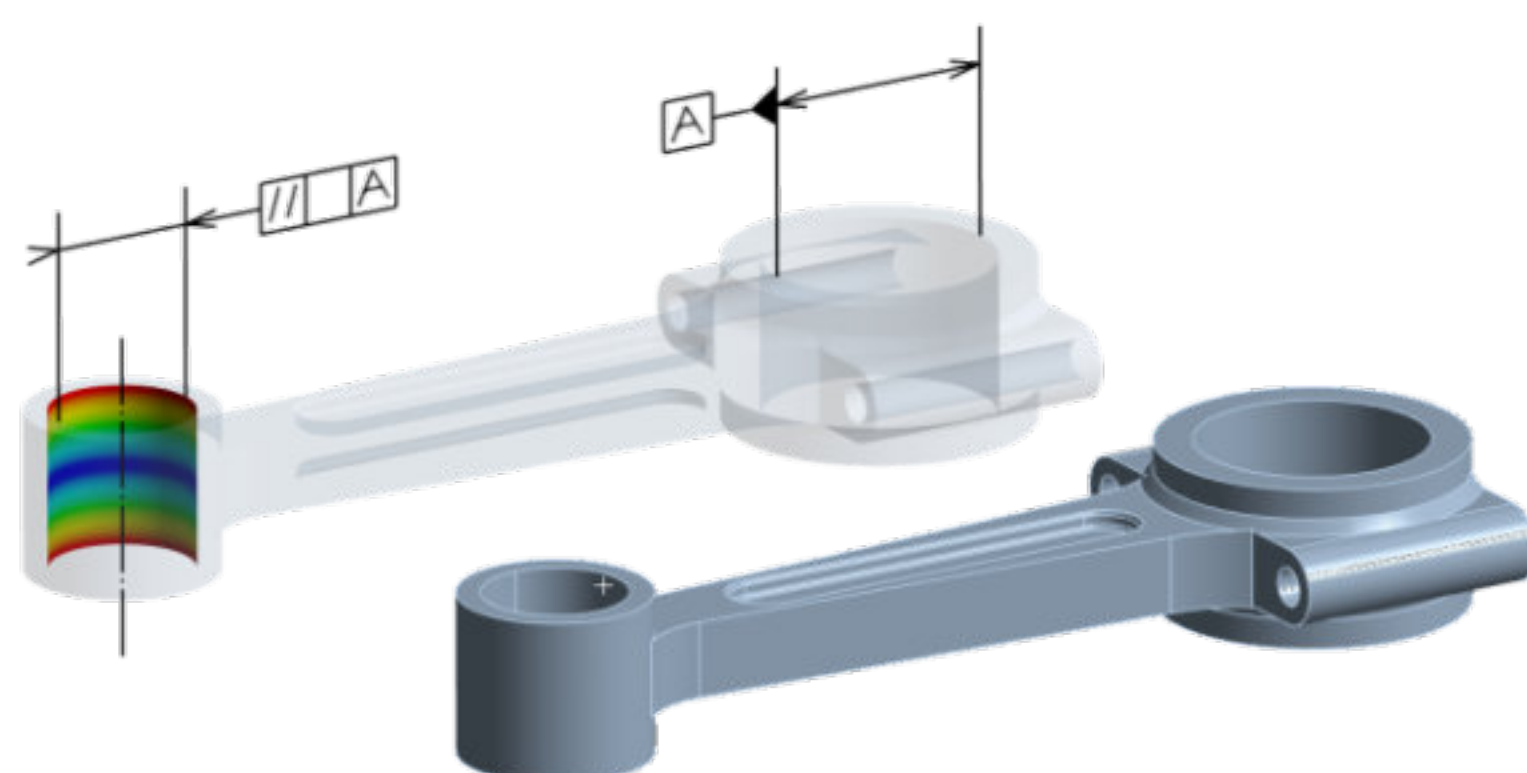
DIMENSIONING

- CMM functionality inside Ansys
- Deformed vs undeformed geometry



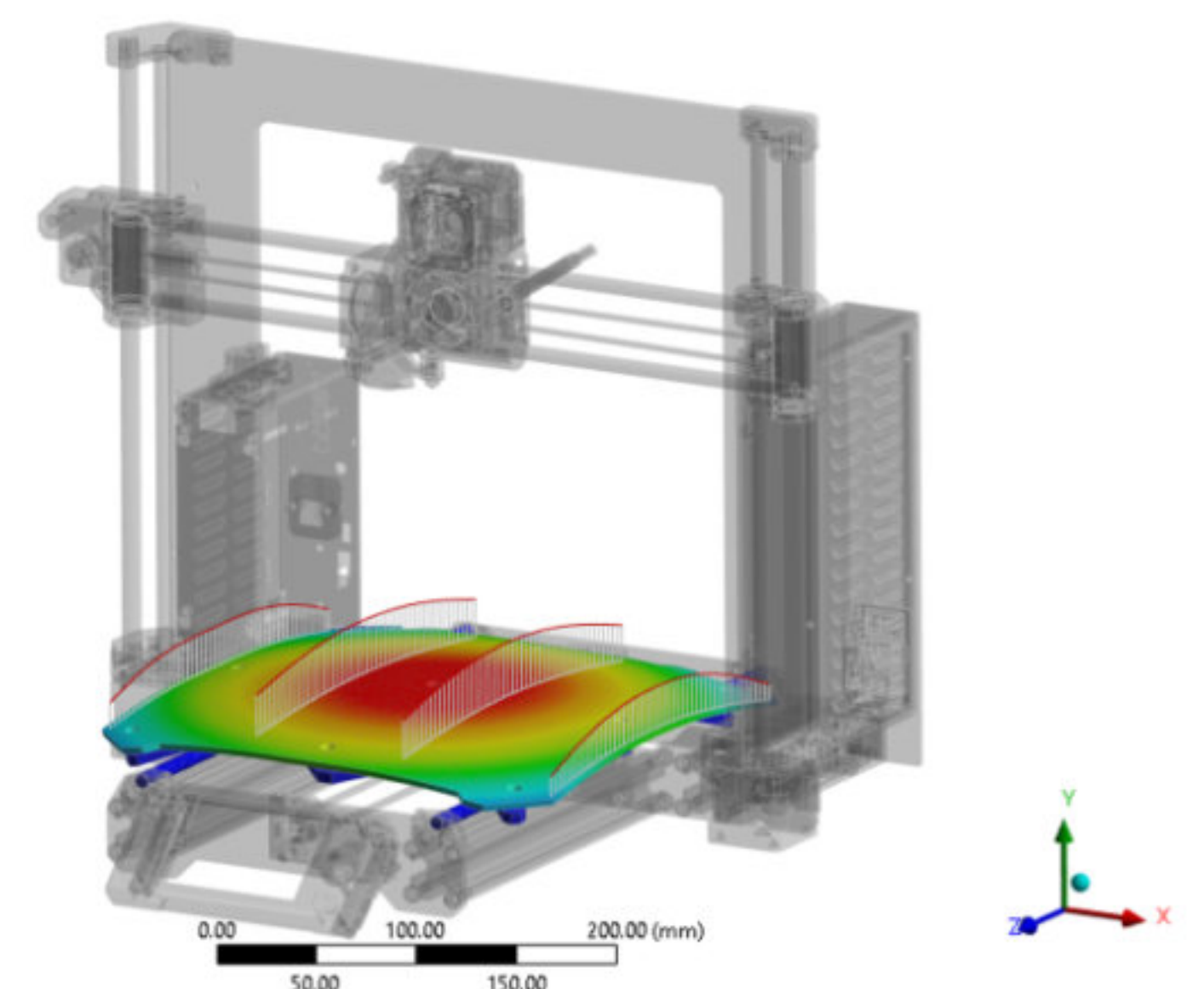
TOLERANCING

- Loaded part tolerance assessment
- EN ISO 1101
- Flatness, cylindricity, straightness, ...



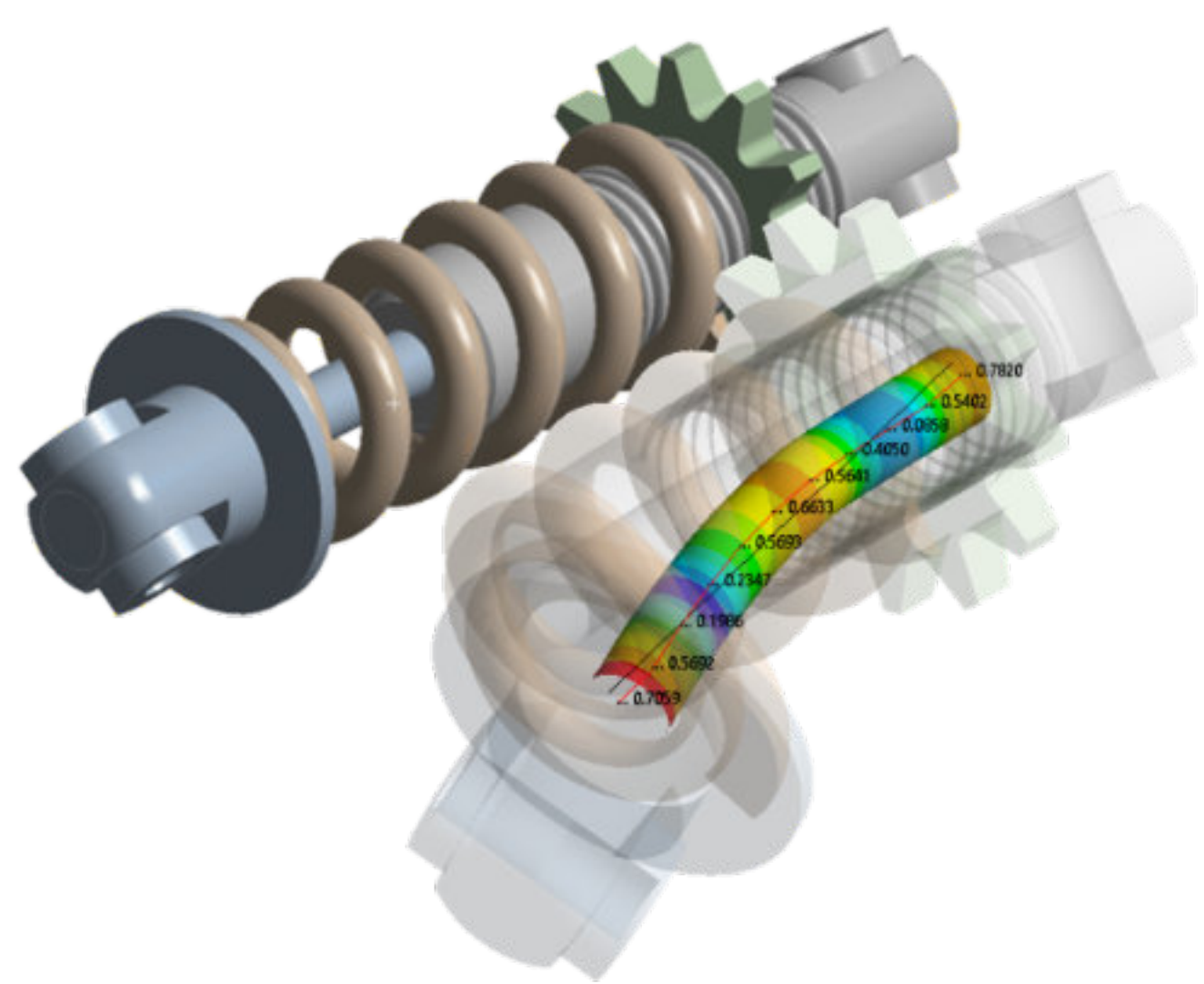
CURVATURES

- Curvatures assessment
- Surface or axis
- Shear forces and bending moments



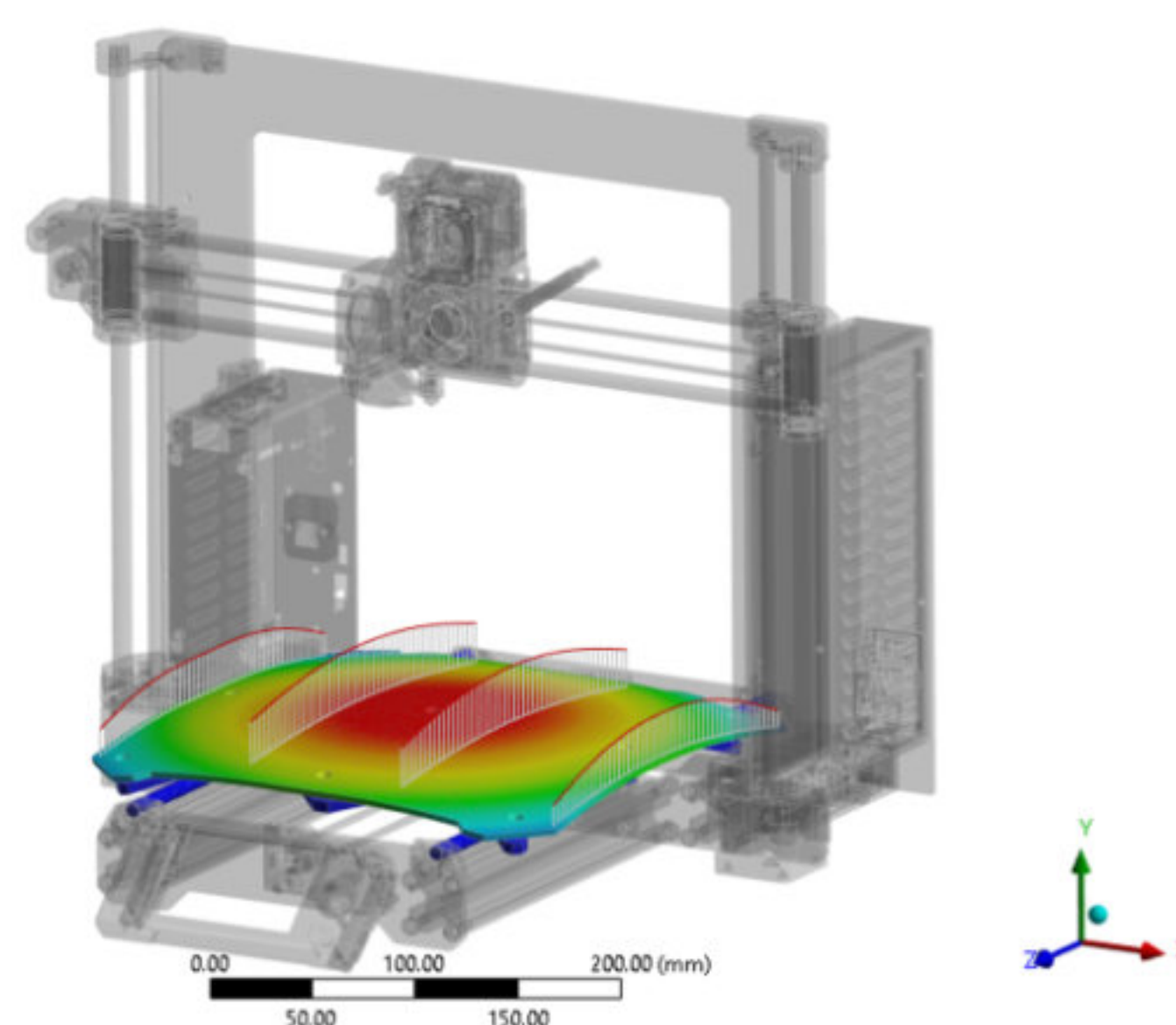
GDT INSIDE ANSYS

Geometrical Dimensioning & Tolerancing



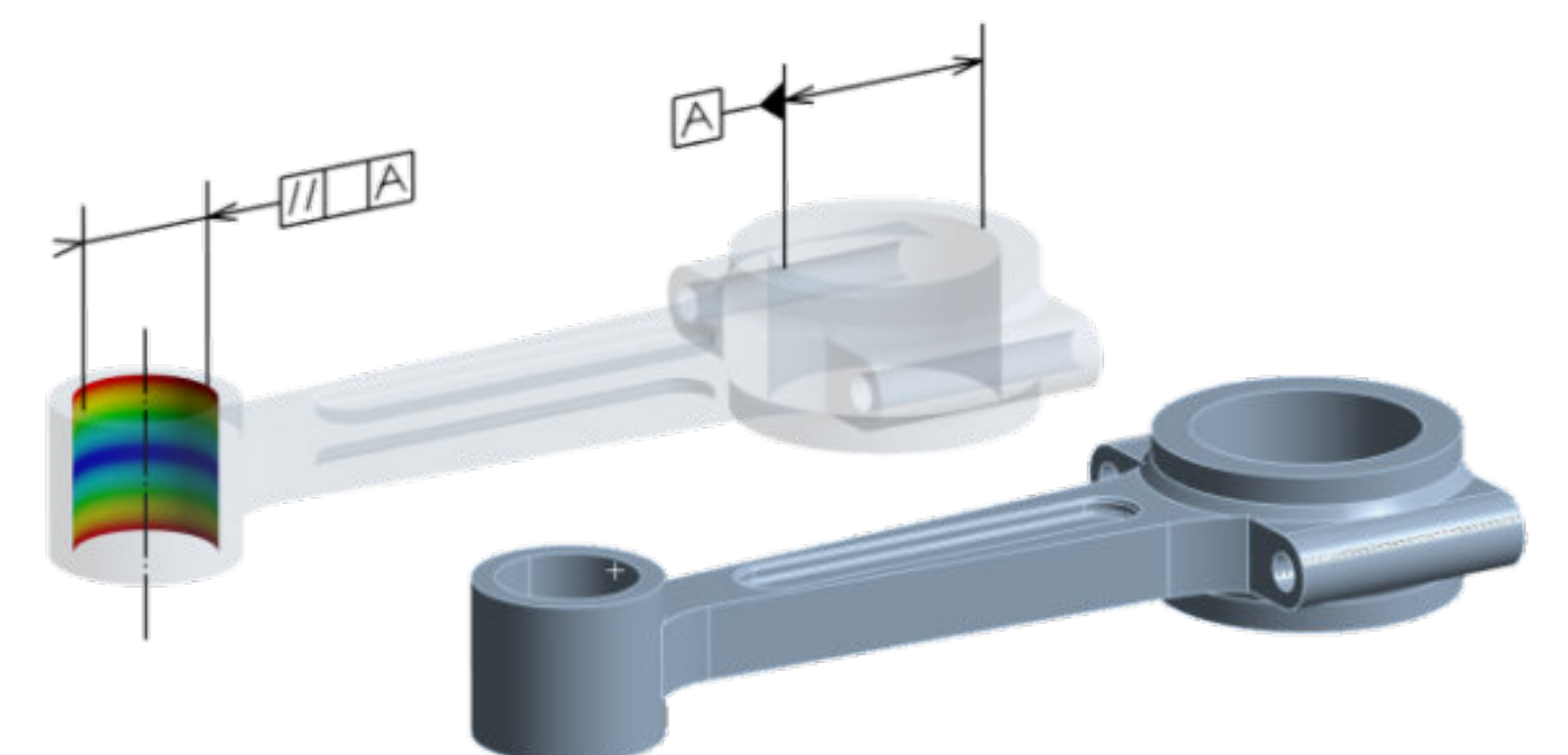
Q3 2022

- + Flatness
- + Cylindricity
- + Straightness of axis



Q3 2023

- Constrained parameters
- Curvature of surface
- Graphics enhancements
- New GUI



Q3 2024

- Part deviations (Best-Fit, 3 points)
- Parallelism
- Perpendicularity
- Angularity

1.1

1.2

1.3

1.4

1.5

Q1 2023

- + MIC, MMC cylindricity
- + Solution monitoring
- + Sub-micron accuracy
- + Simple report

Q1 2024

- Part deviations (3-2-1 alignment)
- Curvature of axis
- Bending moments
- Geometry export

