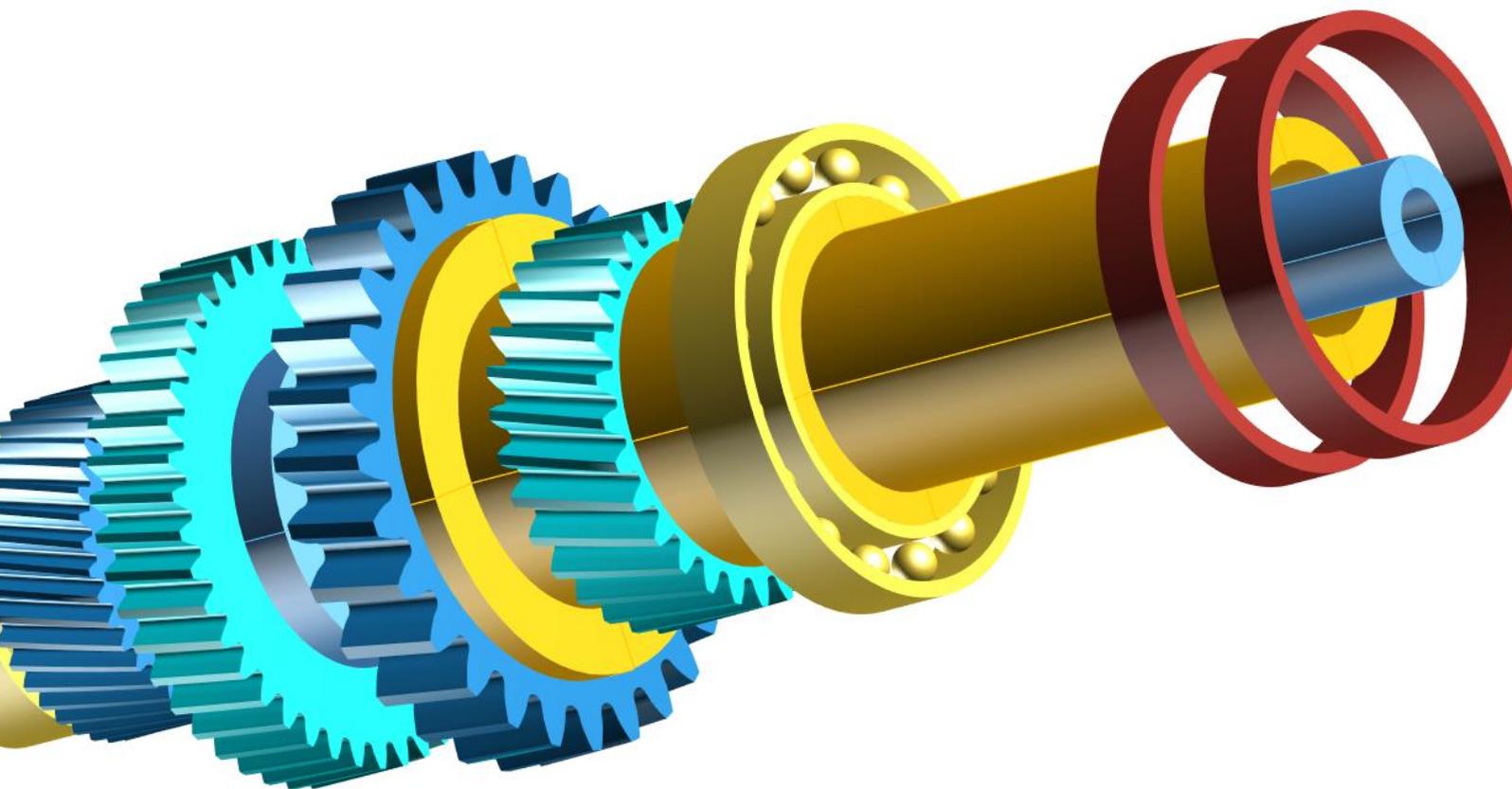


KISSsoft Live Stream Training

Basic: Shaft and Bearing Calculation

September 29-30, 2021



Day 1 – September 29, 2021

2:00 – 2:10 pm	Welcome
2:10 – 3:55 pm	Introduction KISSsoft Shaft and Bearing Calculation
3:55 – 4:10 pm	Break
4:10 – 6:00 pm	Introduction KISSsoft Shaft and Bearing Calculation

Exercises **Exercise 1 and 2**

Day 2 – September 30, 2021

2:00 – 2:10 pm	Exercise follow up
2:10 – 3:55 pm	Introduction KISSsoft Shaft and Bearing Calculation
3:55 – 4:10 pm	Break
4:10 – 6:00 pm	Introduction KISSsoft Shaft and Bearing Calculation

Exercises **Exercise 3**

General Scope

- General settings
- Maintenance of technology data base (materials, bearings etc.)
- Settings and adaptations for reports, possibilities of project administration
- Generation and application of calculation templates, settings in kiss.ini

Shaft Editor

- Shaft modeling in shaft editor and use of elements tree, interpretation of results
- Sizing of bearings
- Sizing of cross sections for shaft strength and beam models

Shaft Calculation

- Shaft calculation including calculation of deformation
- Overview on shaft strength calculations
- Explanations to graphics and reports
- Various stress cases of gear modeling effects
- Consideration of temperatures

Bearing Calculation

- Overview of the ISO calculation methods
- Influence of bearing stiffness on displacements and forces
- Influence of inner geometry on bearing life time and bearing liability

