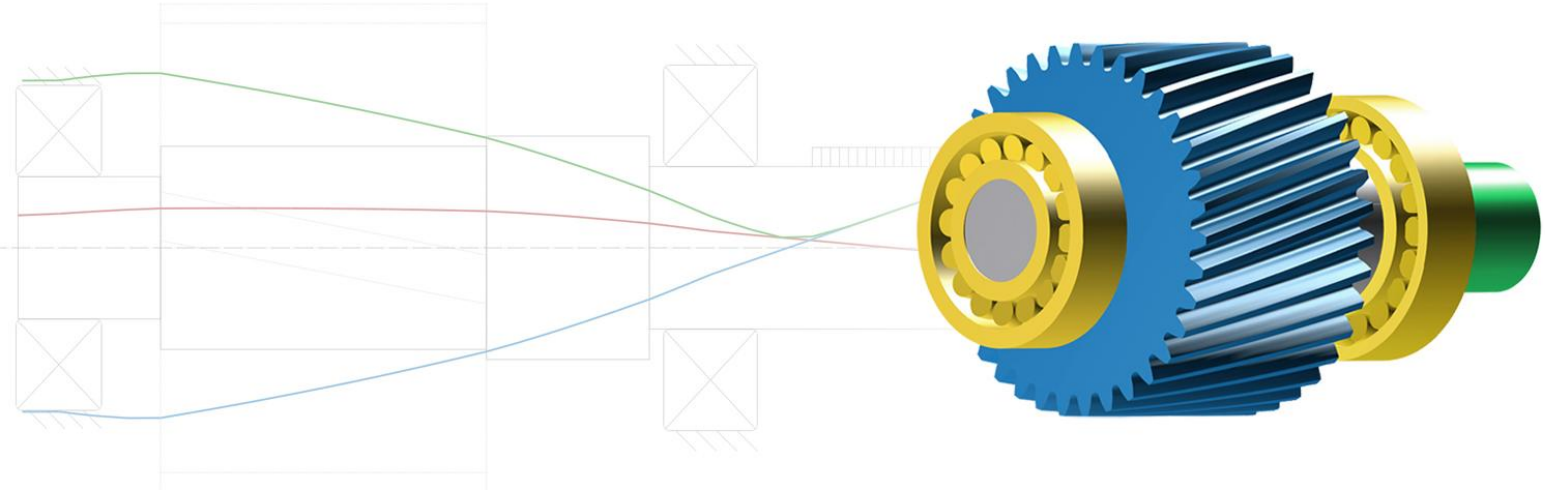
Total Gear Solutions Gleason

Basic Training

Shafts and Bearings:
Modeling, Strength and Lifetime

2 Live Stream Sessions



KISSsoft AG
A Gleason Company
Rosengartenstr. 4, 8608 Bubikon
Switzerland

T. +41 55 254 20 50
kisssoft.info@gleason.com
www.kisssoft.com

Sharing Knowledge

General Scope

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

Shaft Editor

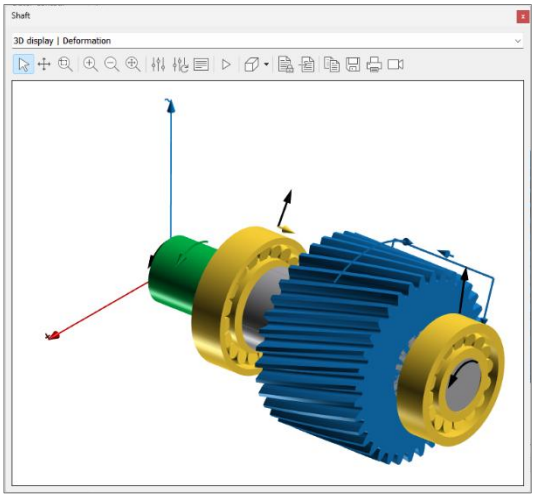
- Shaft modeling and use of elements tree
- Sizing of cross sections for shaft strength calculation
- Sizing of bearings
- Showing results

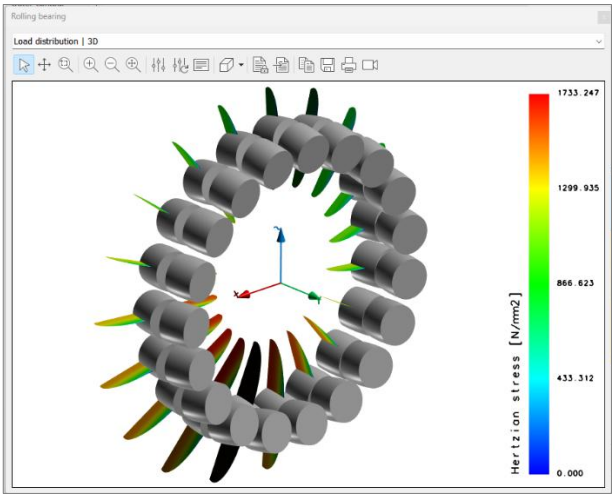
Shaft Calculation

- Calculation of shaft deformation and internal forces
- Overview of the shaft strength calculation acc. to DIN standard
- Explanations to graphics and reports
- Consideration of gears, weight, temperatures etc.

Bearing Calculation

- Overview of the ISO calculation methods
- Influence of bearing stiffness on displacements and forces
- Influence of inner geometry on shaft deformation and bearing rating life
- Consideration of tolerances, temperatures etc.





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