KISSsoft Live Stream Training

Basic: Gear Calculation

February 22-23, 2022
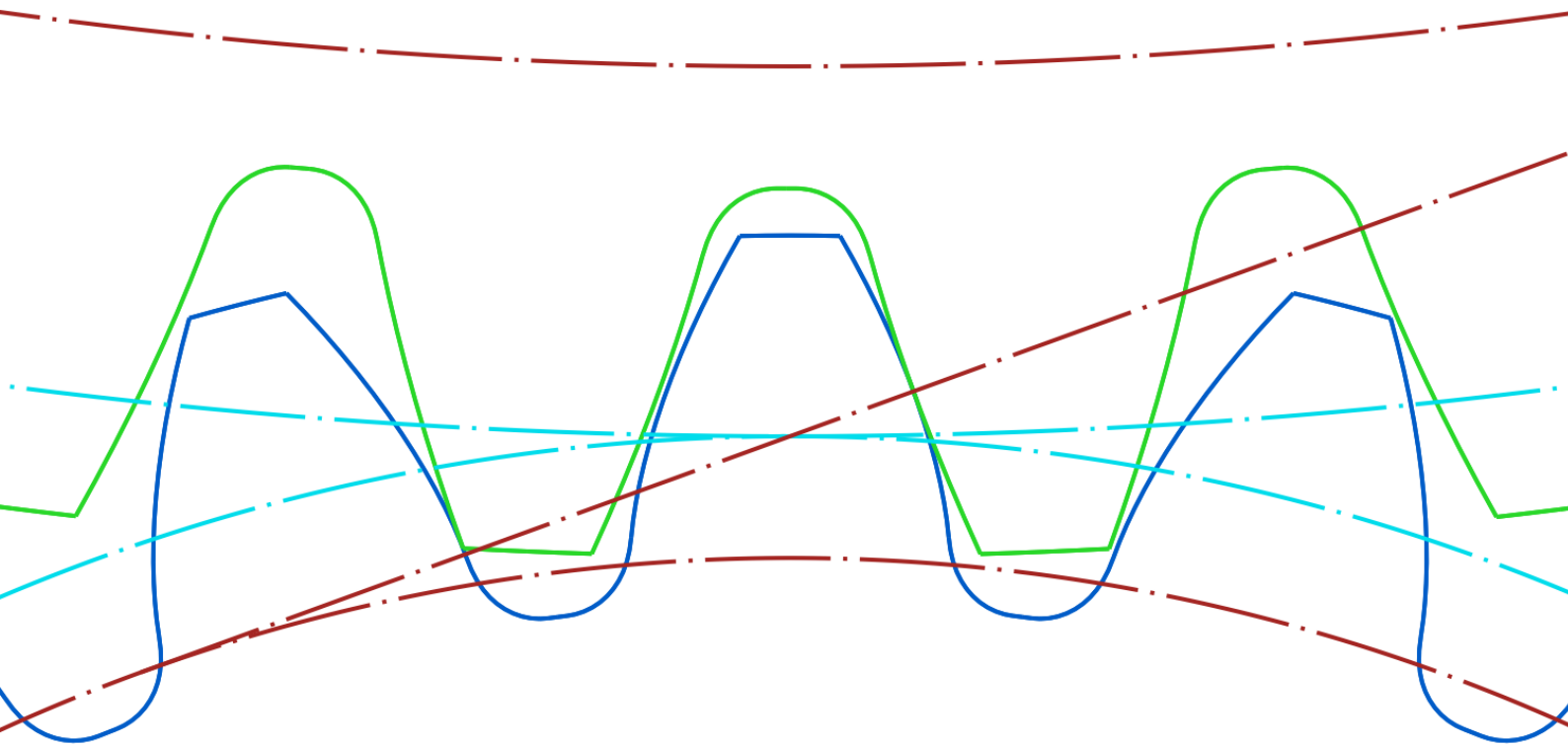
Session 1:   February 22, 2022

2:00 – 2:10 pm	Welcome
2:10 – 3:50 pm	Introduction KISSsoft, Gear Calculation
3:50 – 4:10 pm	Break
4:10 – 5:40 pm	Introduction KISSsoft Gear Calculation
5:40 – 6:00 pm	Introduction Exercises
Exercises	**Exercise 1 and 2**

Session 2:   February 23, 2022

2:00 – 2:20 pm	Follow up Exercises
2:20 – 3:50 pm	Introduction KISSsoft Gear Calculation
3:50 – 4:10 pm	Break
4:10 – 5:40 pm	Introduction KISSsoft Gear Calculation
5:40 – 6:00 pm	Discussion Exercises
Exercises	**Exercises 3, 4 and 5**

General Scope of the Program

- 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

Helical Gear Calculation (Gear Pair)

- Main data input fields (Basic data)
- Reference profile, definition and meaning
- Influence of the profile shift
- Definition of High tooth form
- Definition of tolerances, tooth thickness and back lash
- Possibilities to control the correct inputs
- Dealing with incomplete information
- Pre-sizing of new gears (Rough sizing)
- Optimization of gear pair using different criteria such as noise, vibration or strength (Fine sizing)
- Design of profile corrections
- Evaluation of profile corrections and modified tooth forms
- Operation with graphics
- Special topics of planet gears
- Manufacturing data for the drawings

Further Gears

- Special characteristics of worm gears
- Special characteristics of bevel gears