KISSsoft Live Stream Training

Basic: Gear Calculation

March 1-2, 2021

Sharing Knowledge
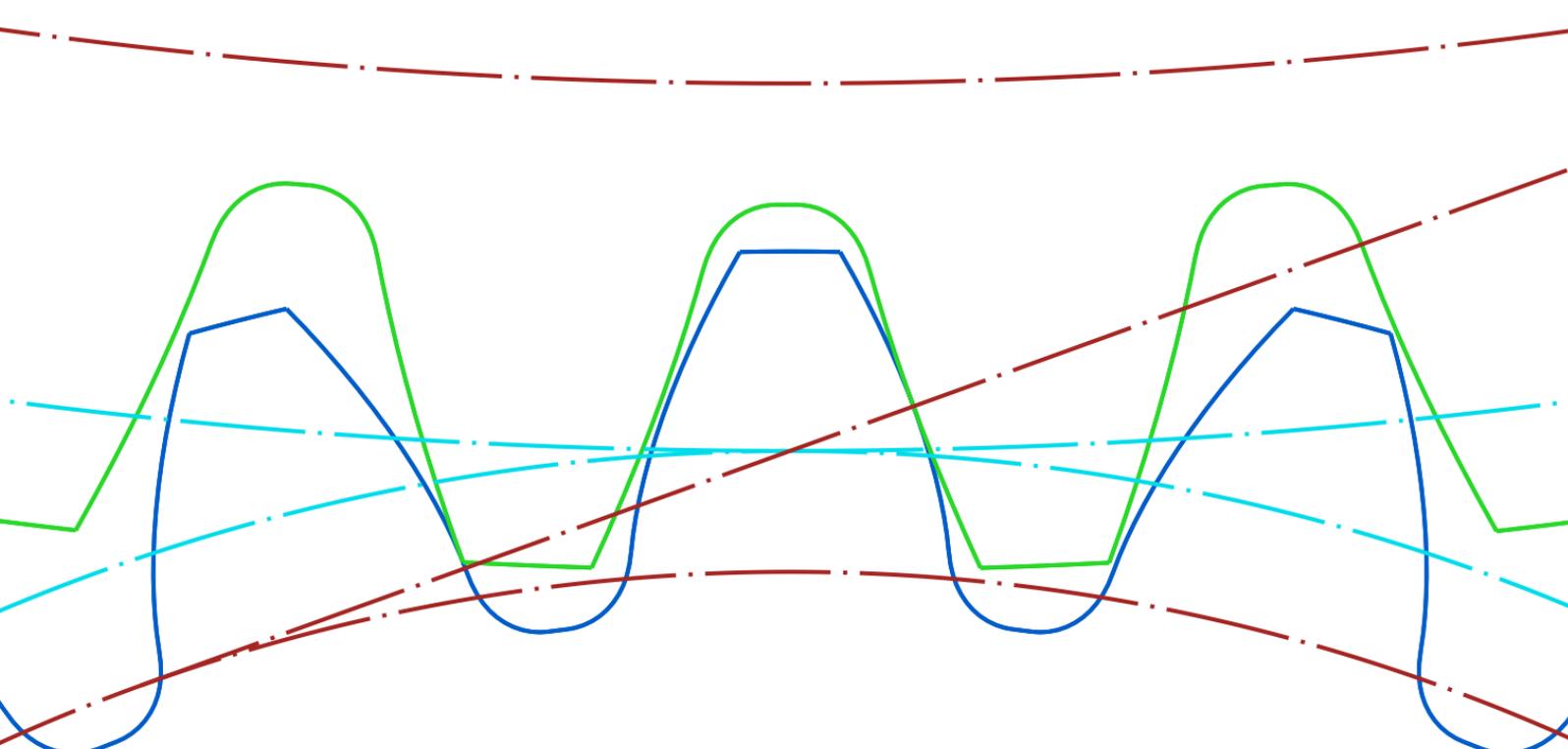
Day 1: March 1, 2021

08:30 – 08:40 am	Welcome
08:40 – 10:10 am	Introduction KISSsoft Gear Calculation
10:10 – 10:30 am	Break
10:30 – 12:00 am	Introduction KISSsoft Gear Calculation
Exercises	**Exercises 1 and 2**
04:00 – 05:00 pm	Questions & Answers

Day 2: March 2, 2021

08:30 – 08:40 am	Follow up exercises
08:40 – 10:10 am	Introduction KISSsoft Gear Calculation
10:10 – 10:30 am	Break
10:30 – 12:00 am	Introduction KISSsoft Gear Calculation
Exercises	**Exercises 3, 4 and 5**
04:00 – 05:00 pm	Questions & Answers

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