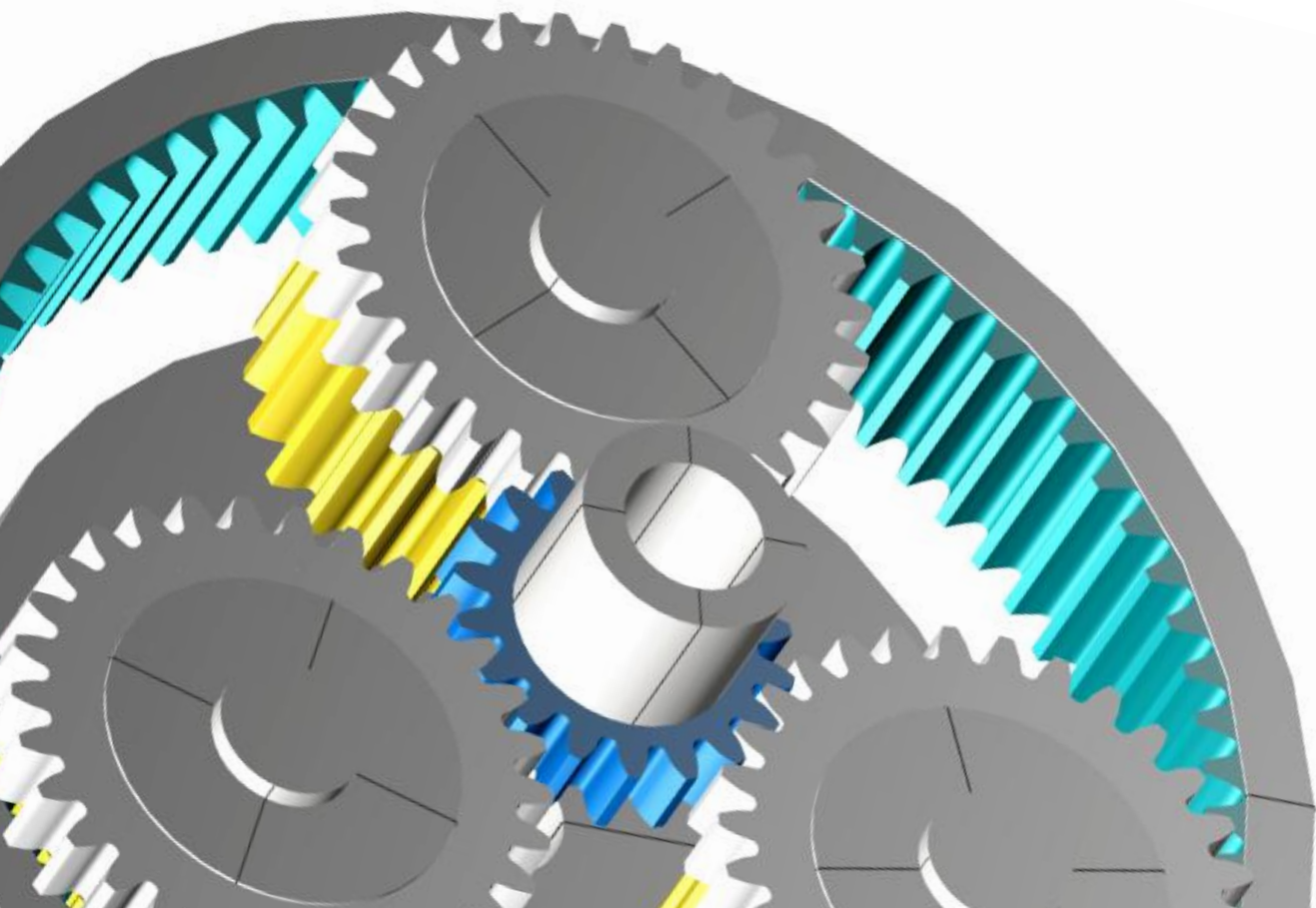


KISSsys Live Stream Training

Special: Planetary Stage Gearboxes

September 21, 2023



The below schedule is shown in time zone CEST 02:00 pm – 06:00 pm (Brussels)

Session 1: September 21, 2023

02:00 – 02:45 Introduction, general theory about planetary stage gearboxes

02:45 – 03:40 Modeling of a compound planetary stage

03:40 – 04:00 Break

04:00 – 05:00 Finishing compound planetary stage

05:00 – 05:30 Merge of predefined epicyclic groups

05:30 – 06:00 Introduction of Exercise

Exercises Modeling and calculation of special epicyclic stage

Introduction

- Theory about planetary stage gearboxes
 - Applications
 - Basic equations
 - Coupled planetary stages
- Presentation of different epicyclic applications
- Examples of gearboxes in combination with cylindrical gear pairs
 - Ravigneaux stage
 - Wolfrom stage
 - Simpson gears

Modeling a Compound Planetary Stage

- Building kinematic structures
- Definition of specific model settings

Calculations of Planetary Stage Gearbox

- Calculation of shafts and rolling bearing elements
- Strength rating of gears

