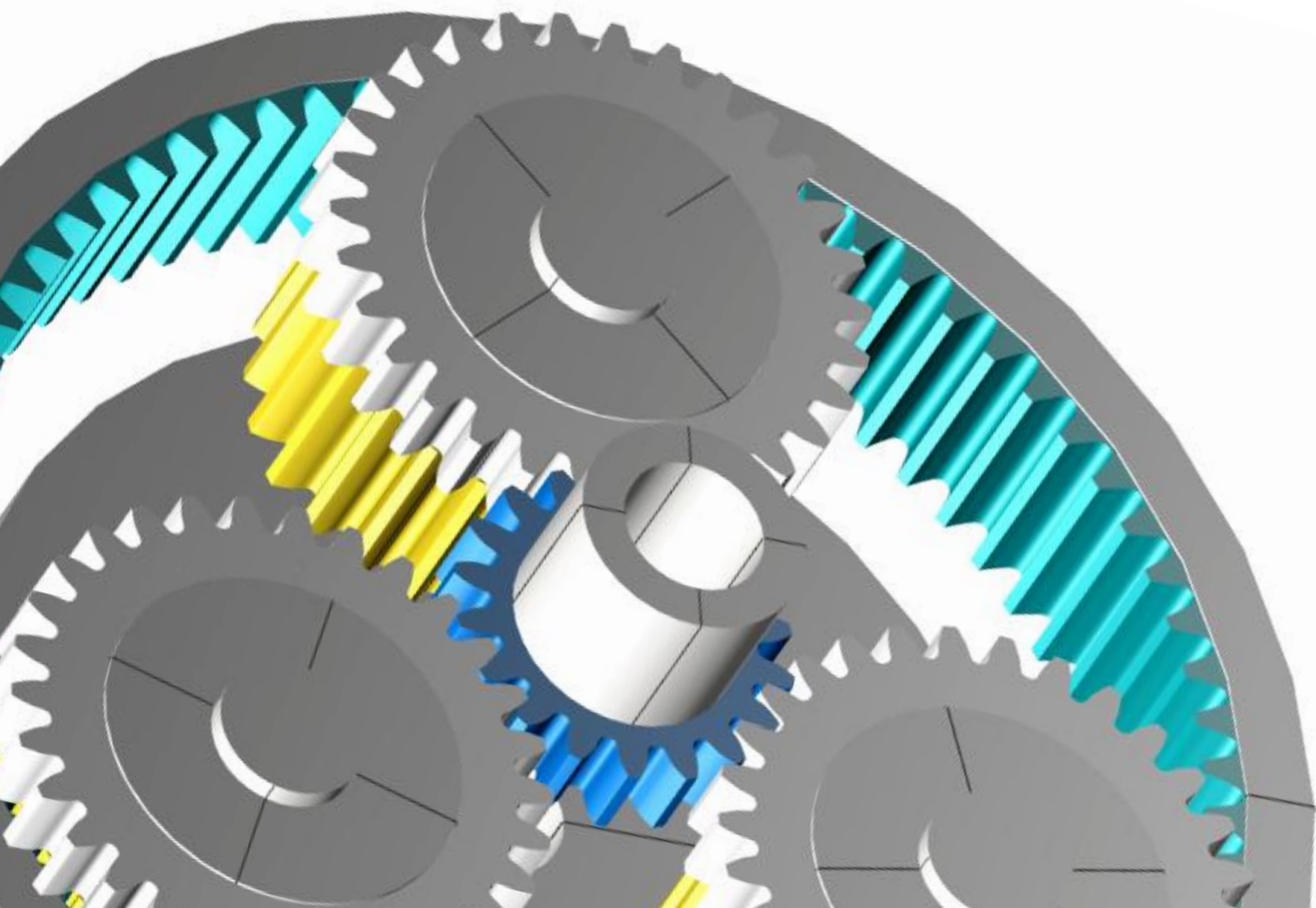


KISSsys Live Stream Training

Special: Planetary Stage Gearboxes

September 23, 2021



Day 1: September 23, 2021

08:30 – 09:00	Welcome and introduction
09:00 – 10:10	Modeling of a compound planetary stage
10:10 – 10:30	Break
10:30 – 11:30	Finishing compound planetary stage
11.30 – 12.00	Merge of predefined epicyclic groups
Exercises	“Modeling and calculation of special epicyclic stage”
16:00 – 17:00	Questions

Different Kinematics

- Presentation of different epicyclic applications
- Gearboxes in combination with cylindrical gear pairs
 - Ravigneaux stage
 - Wolfrom stage
 - Simpson gearset

Modeling a Compound Planetary Stage

- Building kinematic structures
- Switching through different operating modes
 - Output carrier
 - Output ring
 - No reduction condition

Calculations of Planetary Stage Gearbox

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

