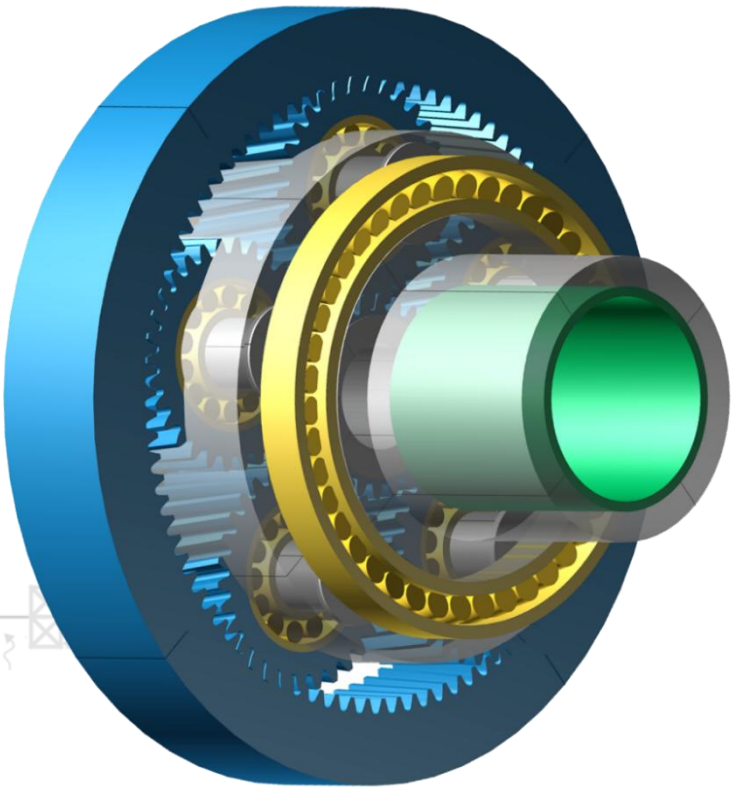
Total Gear Solutions Gleason

Basic Training

KISSsoft System Module:
Efficiency Calculation and Load Spectrum

2 Live Stream Sessions



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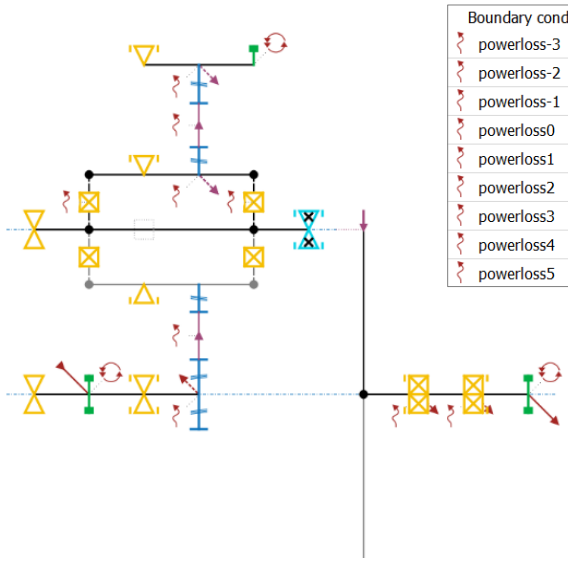
Sharing Knowledge

Session 1: KISSsoft System Module Efficiency Calculation and Thermal Analysis

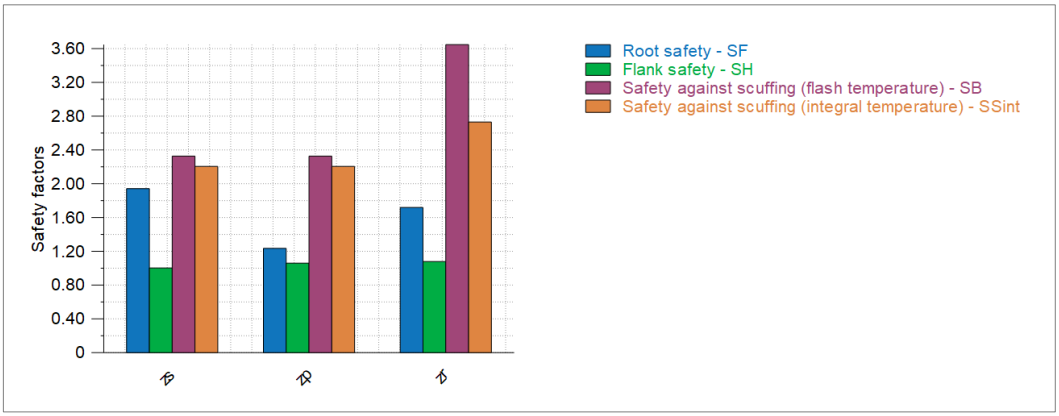
- Strength rating of completed models with nominal load
- Theory about gearbox losses
- Consideration of gear contact, gear churning, bearing and seal losses
- Thermal rating of complete models

Session 2: KISSsoft System Module Housing Stiffness and Load Spectrum

- Consideration of housing stiffness
- Definition of load spectrum in the system
- Consideration of different operating modes
- Strength rating of gearboxes with load spectrum



Boundary condition	Elements	Input	Torque loss [Nm]	Power loss [kW]	Efficiency [%]	Correction factor
powerloss-3	zs - zp	None	-819.7442	-4.4077	99.2677	1.0000
powerloss-2	zp - zr	None	493.2273	-2.2985	99.6196	1.0000
powerloss-1	zs	None	-5.5812	-0.0388	99.9990	1.0000
powerloss0	zr	None	0.0000	0.0000	100.0000	1.0000
powerloss1	zp	None	12.8864	-0.0601	99.9901	1.0000
powerloss2	b1	None	-150.6777	-0.2367	99.9939	1.0000
powerloss3	b2	None	-150.6777	-0.2367	99.9939	1.0000
powerloss4	cb1	None	0.0000	0.0000	100.0000	1.0000
powerloss5	cb2	None	0.0000	0.0000	100.0000	1.0000



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