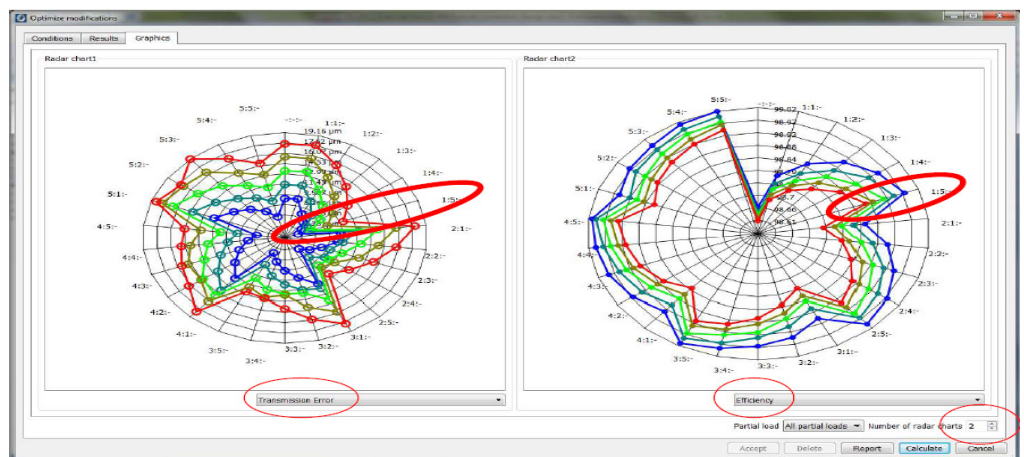
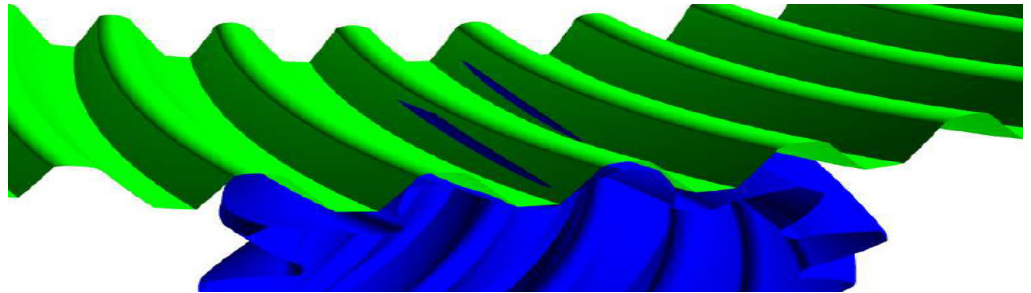


Add additional
KISSsoft
modules for TCA

Benefits

- Contact analysis to get the stress distribution on the flank.
- To get the optimized value of modifications.
- Precise value of face load factor.
- To get the contact pattern on the gear flank.
- Check effect of manufacturing errors on gear performance

KISSsoft for Tooth Contact Analysis



Available Features

- Contact Analysis of cylindrical and planetary gears taking into account shaft deformation and tooth flank modifications
- Path of contact under load
- Calculation and display of Hertzian pressure and tooth root stress along the actual tooth flank
- Calculation of tooth mesh stiffness and transmission error under load based on the actual tooth form
- Display of specific sliding, sliding velocity and sliding factors for gears under load from actual tooth form
- Display of friction loss and local heat generation along the meshing
- Optimization of tooth flank modifications
- Classifies all feasible solutions regarding different criteria
- KHbeta according to ISO6336 Annex E
- 3D export in STEP and Parasolid format
- Display and export of cylindrical gears with modifications
- Display as skin model for the control of tooth contact and meshing

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