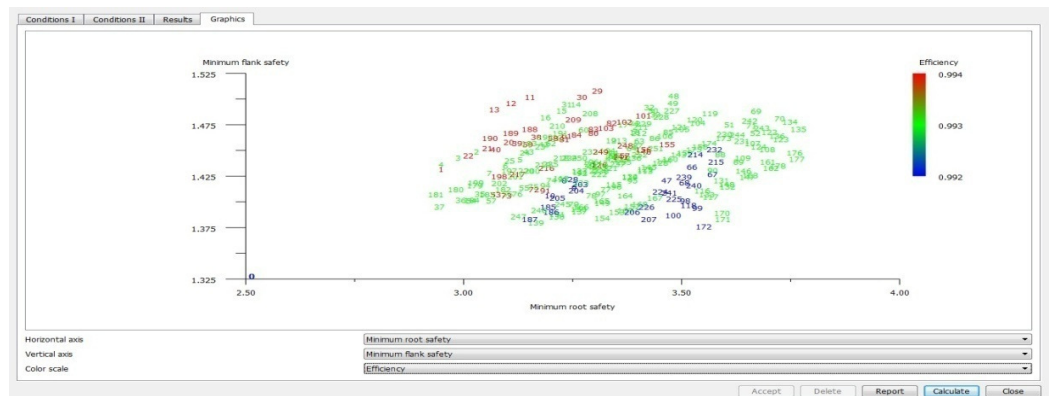
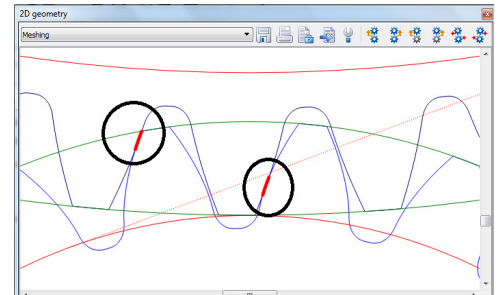
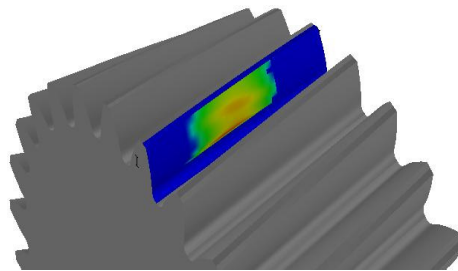


KISSsoft for Education

KISSSOFT
Calculation programs for machine design

Benefits

- Employment potential of the students is enhanced
- Can run special short courses for local industry and professionals
- Tool for M.Tech/Ph.D. research topics
- Covers all types of gears – spur/helical, bevel, worm, planetary, non-circular and cycloidal
- Export 2D/3D CAD geometry of the gears
- Covers complete transmission system



Available Features

- Learn a widely used software in industrial and automotive gear industry
- Students have an understanding of ISO/DIN/AGMA standards
- Better understanding of concepts of gears, shaft and bearing selection
- Easy to use and can be used to study the impact of various parameters on gear performance
- Valuable tool for machine design course, major and minor projects. Industrially relevant problems can be done by B.E/B.Tech students
- M.Tech/Ph.D. scholars can use the software as a research tool for their thesis, KISSsys supports programming for special functions.

Contact today:

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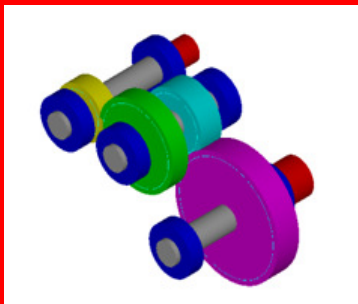
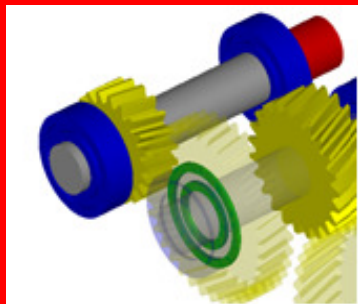
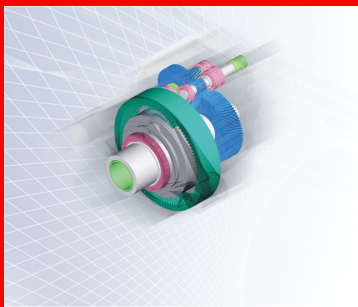
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KISSsoft Vs FEA

Description	KISSsoft	FEA
Dedicated machine element software	Specialised for machine design with dedicated analysis tools for gears, shafts, bearing, springs, splines, bolts and other machine elements	General purpose software, requires lot of inputs to do transmission design calculation.
Calculation basis	Uses proven ISO/DIN/AGMA standard which can be easily validated. Formulae based, will always correct results based on input variable values.	Uses FEA mathematical techniques which dependent on the quality of boundary conditions, wrong input will lead to wrong output. Test results and measurement of the prototype performance to validate the results.
Inputs required	Requires power requirement and numerical geometric values for gears and 2D geometry for shafts.	Requires 2D/3D geometry of the part and assembly which is to be analysed – time consuming.
3D CAD model	Automatically generate the 3D models compatible with all leading CAD software by simple inputs for the gears and shafts.	Model has be made using CAD package with complicated profiles for bevel, worm and helical gears. Parameters like profile corrections and micro gear geometry is difficult to model.
Analysis results time	Take minutes for machine elements to 2 days for a complete gear box . Can re-run the calculation in seconds	Takes time ranging from 2 hours to days.
Result interpretation	Is simple and straight forward.	Interpretation and incorporation of FEA results take time
Complimentary functions	Fast and accurate to handle transmission components	Good for gear housing analysis, machine structure, CFD, thermal calculations.
Usability	You can use it from day 1	It will take 3-6 months to use it for analyzing machine elements.
Software required	None other then CAD package to which it will export geometry	It will require CAD to first model inaccurate geometry and then a pre-processor to mesh it, a solver to solve it and and then a post processor to see the results.



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