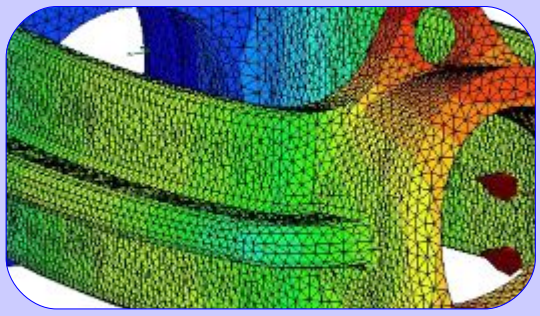
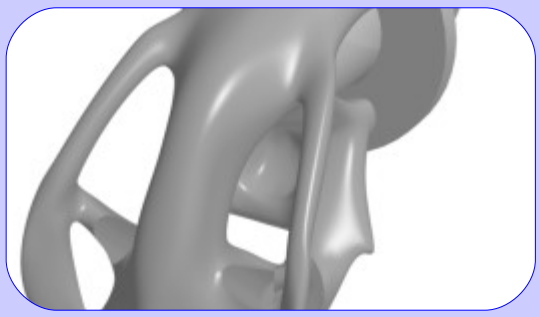
APPLICATION MECHANICAL III

KOMPAS 3D



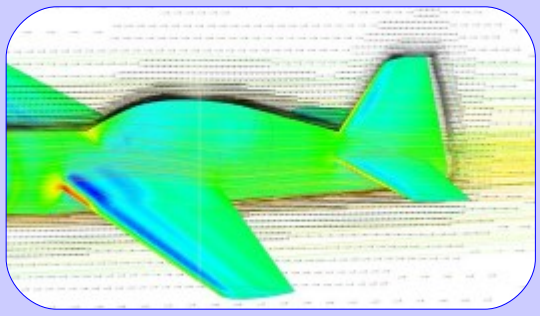
APM FEM
The APM FEM application is designed to perform express calculations of solid objects in the KOMPAS-3D system, and visualize the results of these calculations.

REQUIRES FOR WORK: KOMPAS-3D
MANUFACTURER: SCIENTIFIC AND TECHNICAL CENTER "COMPUTER-AIDED DESIGN OF MACHINES"



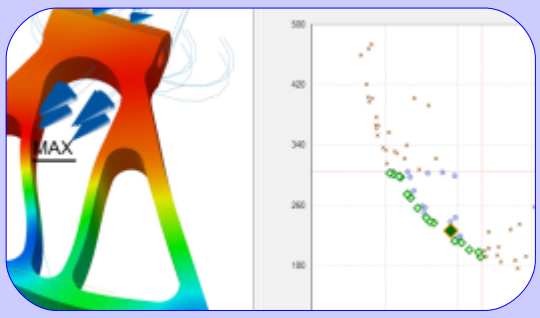
APM FEM. Topological optimization
Application for optimizing material distribution in the design area, taking into account loads and restraints. Consists of two parts: APM FEM. Topological optimization. Additional module and Surface smoothing procedure.

REQUIRES FOR WORK: KOMPAS-3D , APM FEM
MANUFACTURER: ASKON-DESIGN SYSTEMS LLC , STC APM



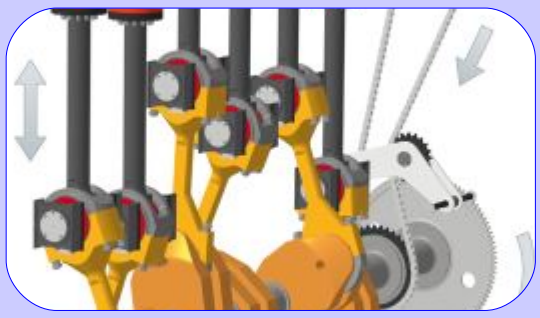
KompasFlow
The application is intended for carrying out in KOMPAS-3D express analysis of the aerohydrodynamics of the designed product.

REQUIRES FOR WORK: KOMPAS-3D
MANUFACTURER: TESIS



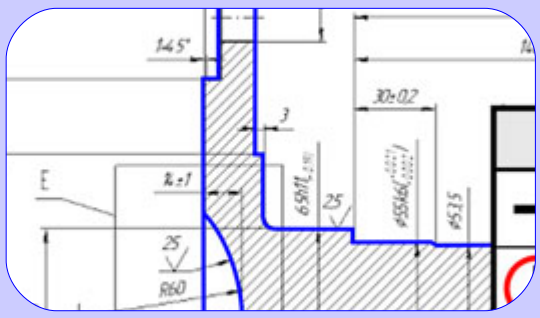
IOSO-K optimization
Application for optimizing the geometry of parts and assemblies in KOMPAS-3D.
Parameterization makes it possible to consider several product options in one model. This is one of the benefits of 3D modeling. The question is which option to choose?

REQUIRES FOR WORK: KOMPAS-3D
MANUFACTURER: SIGMA TECHNOLOGY



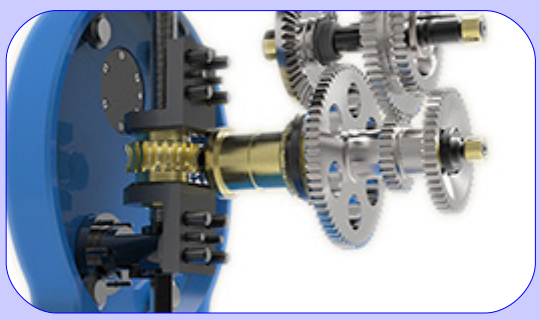
Universal Express Mechanism
The application is intended for express analysis of dynamic, kinematic and static systems designed in KOMPAS-3D.

REQUIRES FOR WORK: KOMPAS-3D
MANUFACTURER: LABORATORY OF COMPUTATIONAL MECHANICS



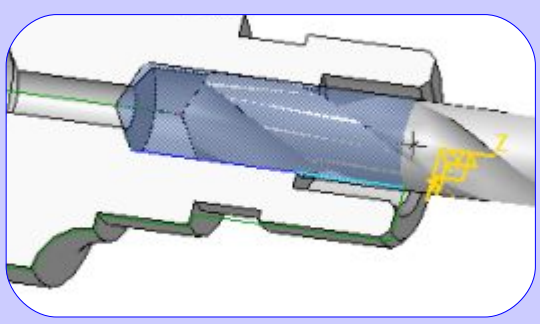
KOMPAS-Expert
Application for searching and correcting errors in KOMPAS-3D documents.
KOMPAS-Expert checks models, drawings and specifications drawn up in KOMPAS-3D, giving the designer the opportunity to correct them before the documentation goes into production.

REQUIRES FOR WORK: KOMPAS-3D
MANUFACTURER: LLC "ASKON-DESIGN SYSTEMS"



Artisan Rendering, a photorealistic rendering system for KOMPAS-3D
What will a product or structure look like if the design has not been completed yet? Finding out this is not only interesting -

CURRENT VERSION: V1
REQUIRES: KOMPAS-3D
MANUFACTURER: PICTOREX LIMITED



CNC module. Turning
CNC module. Turning is the first CAM application fully integrated into the KOMPAS-3D 3D modeling system. The application is designed to automate the development of control programs for CNC lathes (2-axis turning).

REQUIRES: KOMPAS-3D
MANUFACTURER: NATIONAL RESEARCH MORDOVIAN STATE UNIVERSITY NAMED AFTER N.P. OGAREV