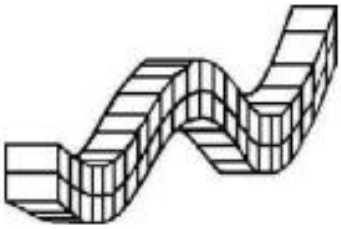
FEM-System MEANS V14

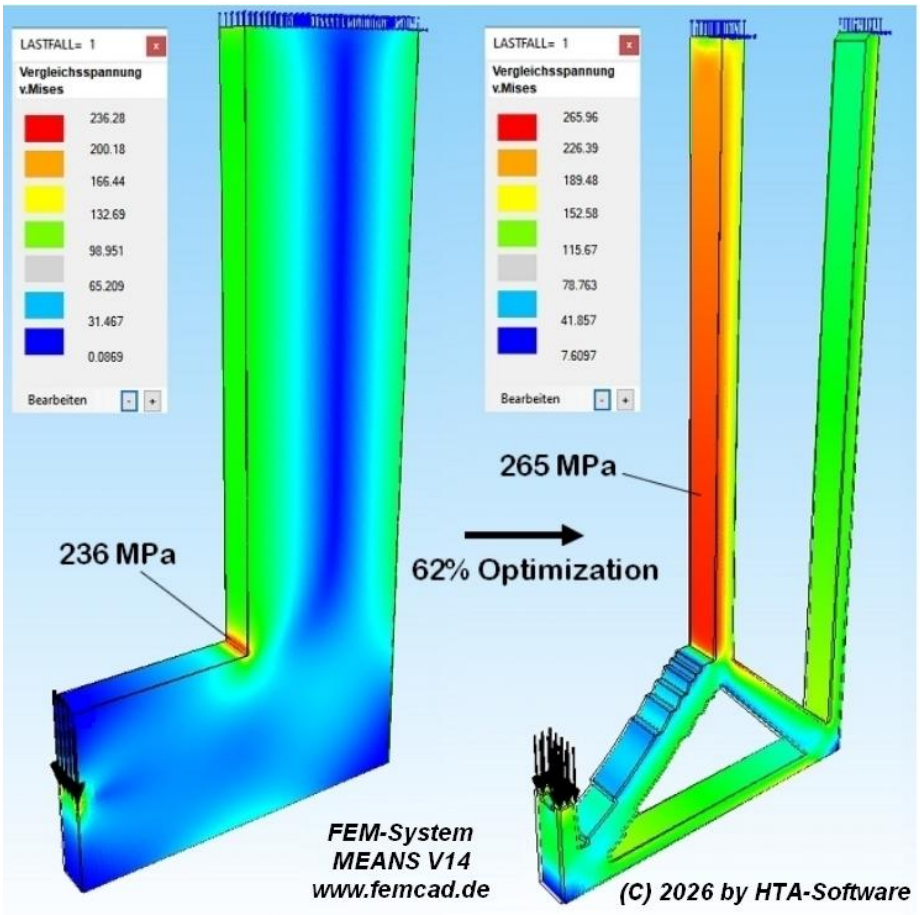
HTA-Software
Maiwaldstraße 24
77866 Rheinau
049 7844 98641
info@femcad.de



FEM-Software
FEM-Calculations

MEANS V14 WORKS for 499 €

FEM-System with linear statics calculations with linear and quadratic 3D beams, 2D planes and plates, axialsym. 2D, 3D shells and 3D-solid elements (hexahedron, pentahedron, tetrahedron). Nodal loads, line loads, distributed loads, centrifugal loads, gravitation and temperature loads, FEM-Structures with different materials, 2D/3D mesh generation with a CAD-Interface DXF, STL, STEP and IGES. Quick FE-Solver until 499 000 nodes and 499 000 elements with all element typs. Also it is possible to repair bad FEM meshes or CAD-Assemblies (because profiles are too thin, there unconnected parts or there are no weld seams) with MPC-Elements.



MEANS V14 INVENT for 999 €

same functions as MEANS V14 WORKS plus Add-On module FORMOPTIMIZATION with until 999 000 nodes and 999 000 elements.

MEANS V14 HIGH END for 2490 €

same functions as MEANS V14 INVENT with unlimited nodes and elements.

Add-On module DYNAMIC for 350 €

Calculations of Eigenvalues, natural frequencies with characteristic modal forms.

Add-On module BUCKLING for 350 €

Calculate the critical buckling loads with the buckling modes shapes.

Add-On module TEMPERATURE for 350 €

Temperature analysis for steady and transient temperature field calculation with convection, point-, surface- and 3d heat sources.

Add-On module FORMOPTIMIZATION for 350 €

Fast form optimization of 2D and 3D structures with stop-and-run functions. This enables up to 80% material savings and design improvements.

Add-On module NONLINEAR + CONTACT for 800 €

Calculation of Rolling Contact Pressure (Hertz contact problems) of train and rail systems or ball and roller bearings or other contact problems like bolted or clamped parts sittings. Geometrically nonlinear and with load increments for large deformations. FEM-Calculations for plastic deformations with a Stress-Strain-Database (Sample with coupled nonlinear contact analysis).