EnginSoft is a premier consulting firm in the field of Simulation Based Engineering Science (SBES) with a global presence. It was founded in 1984, but its founder and initial employees had been working in SBES since the mid '70s. Throughout its long history it has been at the forefront of technological innovation and remains a catalyst for change in the way SBES and CAE technologies in general are applied to solve even the most complex industrial problems with a high degree of reliability.

Today, EnginSoft is comprised of groups of highly qualified engineers, with expertise in a variety of engineering simulation technologies including FEM Analysis and CFD, working in synergic companies across the globe. We are present in Italy, France, Germany, the UK, Turkey and the U.S.A. and have a close partnership with synergetic companies located in Greece, Spain, Israel, Portugal, Brazil, Japan and the U.S.A.

EnginSoft works across a broad range of industries that include the automotive, aerospace, defense, energy, civil engineering, consumer goods and biomechanics industries to help them get the most out of existing engineering simulation technologies.





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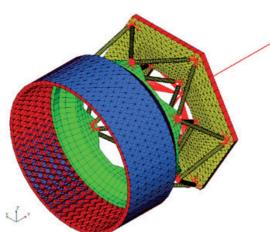
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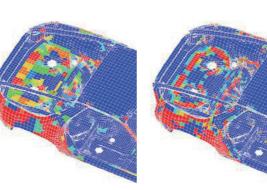
DATA SHEET



Structural Design Optimization Software



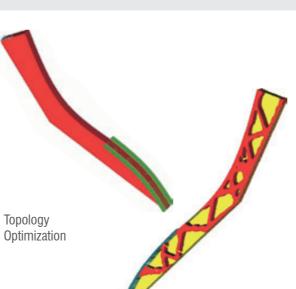
Payload Interface Composite Strut Frequency Tuning

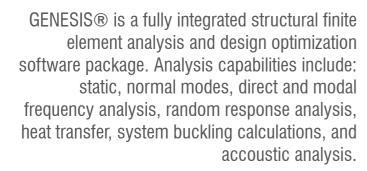


Coarse Topometry

(4,090 Variables)







Design optimization is based on the advanced approximation concepts approach to find an optimum design efficiently and reliably. Actual optimization is performed by the well established DOT and BIGDOT optimizers, also from VR&D. Design capabilities include: topology, shape, sizing, topography, topometry and freeform optimization.



Genesis is a product



Structural Design Optimization Software

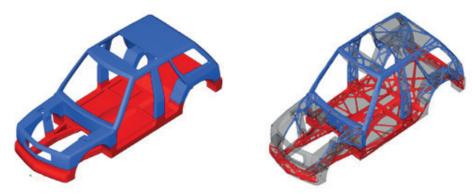
- times.

Analysis

- ✓ Linear static
- ✓ Inertial relief
- ✓ Dynamic normal modes
- ✓ Buckling
- ✓ Frequency response
- ✓ Random response
- ✓ Heat transfer
- ✓ Sensitivity

Design optimization

- freeform optimization



✓ Fast, reliable and accurate finite element analysis. ✓ GENESIS provides improved designs at reduced cycle

 Topology optimization at early stage of design. ✓ SMS Eigensolver runs eigensolutions 2 to 10 times faster than the conventional Lanczos method. SMS can solve problems with over 20 million degrees of freedom. ✓ BIGDOT optimizer solves problems in excess of 3 million design variables. For example, topology optimization problems are currently being solved in excess of 3 million design variables and are getting bigger everyday.

✓ Nonlinear Contact (Gap elements)

✓ Multi-objective and hybrid optimization capabilities ✓ Topology, shape, sizing, topometry, topography, and

Full Body Topology Optimization