GENESIS Composite Optimization
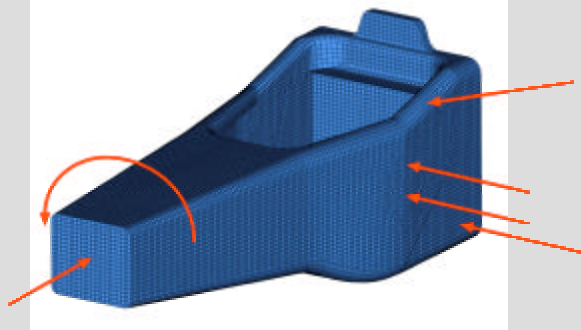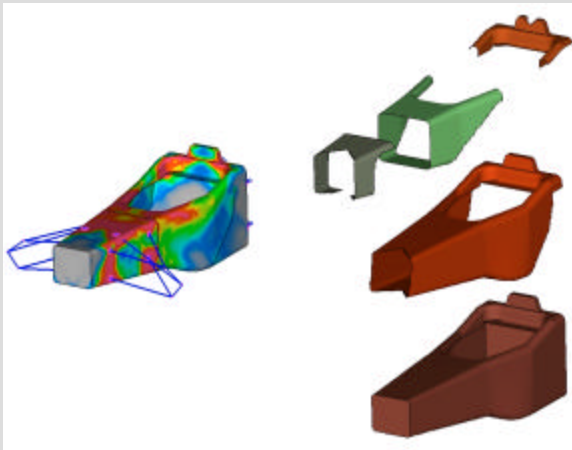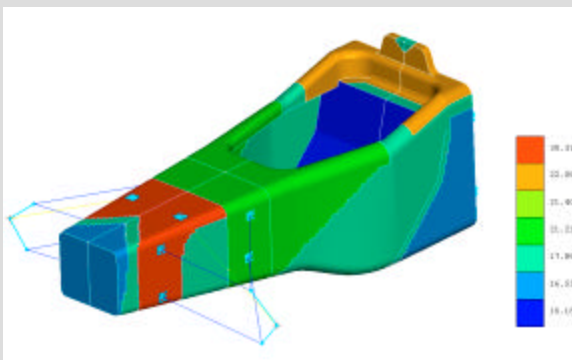
Layer Optimization

Loading Conditions

Designable Areas

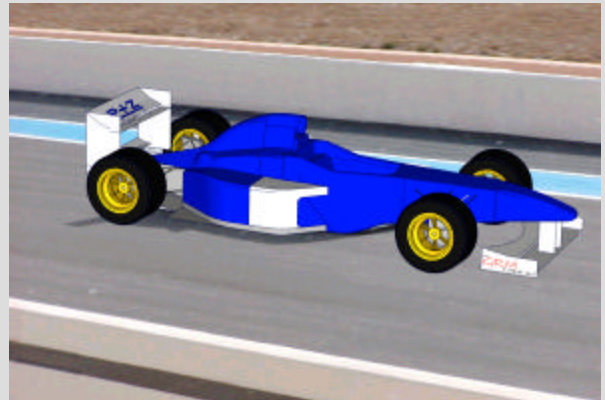Optimal Composite Thickness Distribution

Mass reduced by 18%

Find Optimal Lay-up

From small parts to whole systems

- Optimize thicknesses
- Optimize angles
- Reduce mass and cost
- Prevent buckling
- Constrain failure index, displacement, natural frequency and much more.

Application Areas

- Car bodies
- Boats
- Airplanes
- Space structures
- Sporting goods

Courtesy: P+Z and GRM Consulting, UK

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