

THERMAL STRESS

Manifold

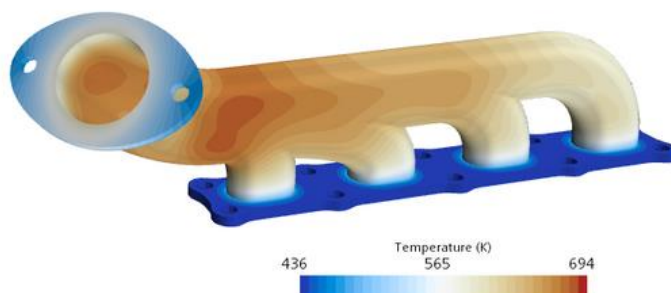
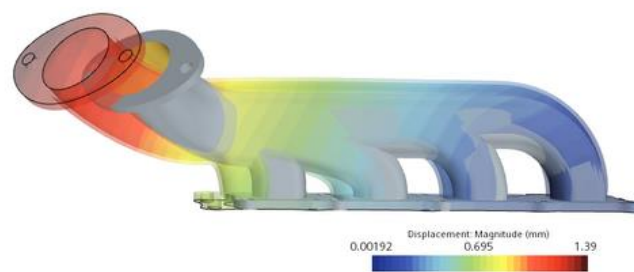
► Purpose

- Evaluate Solid Deformation due to Heat
- Evaluate for Solid Material Integrity due to Thermal Stress
- Gain Insight on Solid Thermal Behavior for Design Features

Study

- Solid Materials Tests
- Thermal Stress on the solid
- Displacement of solid
- Strain on Solid

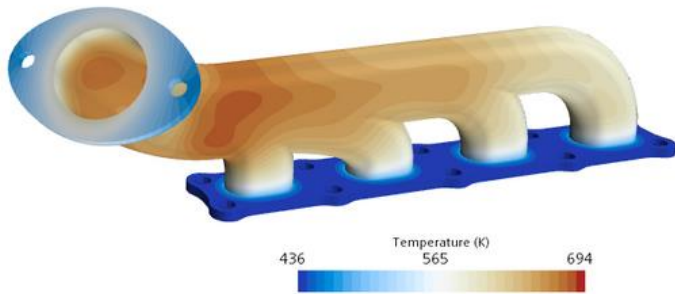
Solid Integrity due to fluid pressure



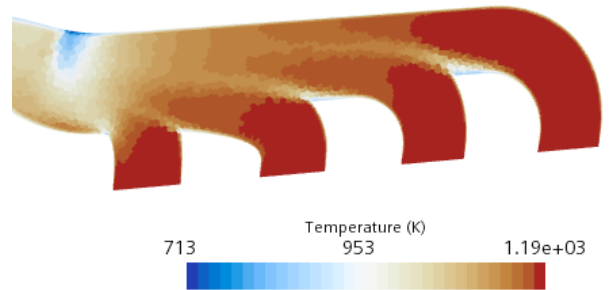
Investigate Optimal Flow Distribution on Heated Expanded Geometry. Our solution will calculate efficiency and performance of equipment for Structural Design

▶ TOTALSIM SOLUTION

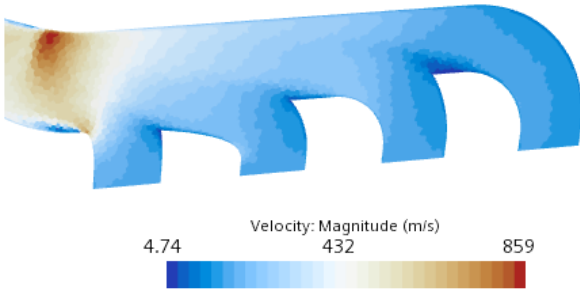
Pressure Distribution of Flow for Structural Design



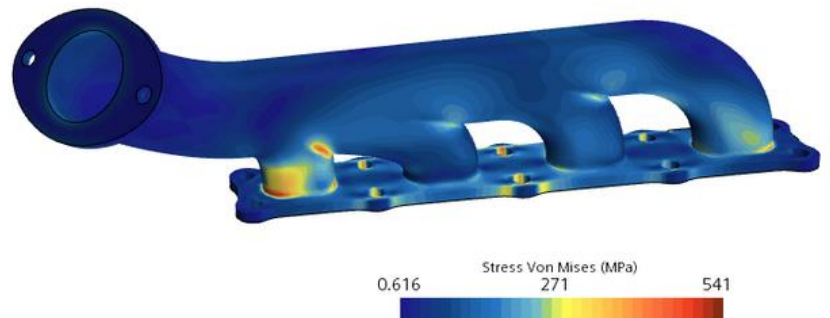
Fluid Temperature after Heat Dissipation on the solid



Flow Distribution Velocity on Ports



Solid Stress



BENEFIT

This will be a longer statement or short paragraph to summarize the benefits of using Modeling and Simulation for the example problem.



Contact us to find out how we can put our capabilities to work for you.