

Case Study Results – Catheter Coolant Flow

- Simulation Results
 - Identified and eliminated potential flow separation
 - Identified and evaluated temperature distributions, recirculation, and stagnation regions
- Business Benefit
 - Provided engineering design information which produced a modified catheter design
 - Met all design criteria
- Why Marc was the best tool
 - Ability to handle coupled fluid / structure thermal analysis (via laminar flow in Marc)
 - Ability to handle large displacement
 - Ability handle nonlinear wall material (silicon or urethane)

