

PumpLinX

Designing Better Pumps

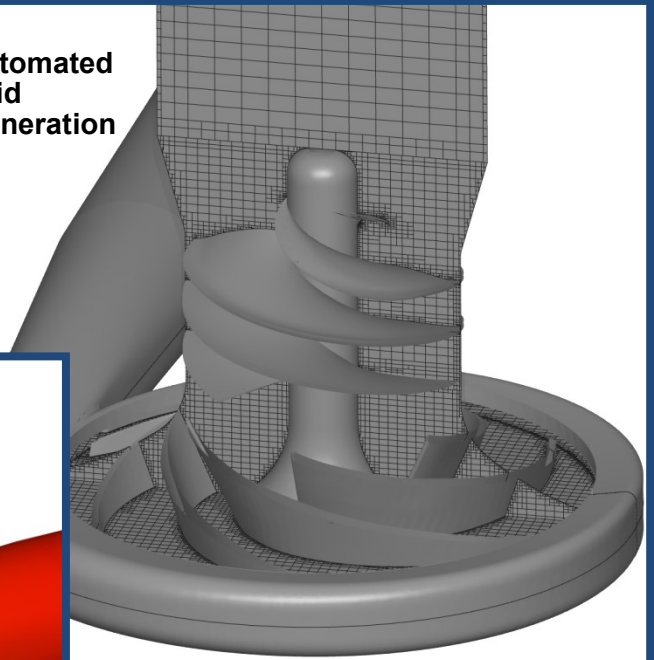


Centrifugal Pumps

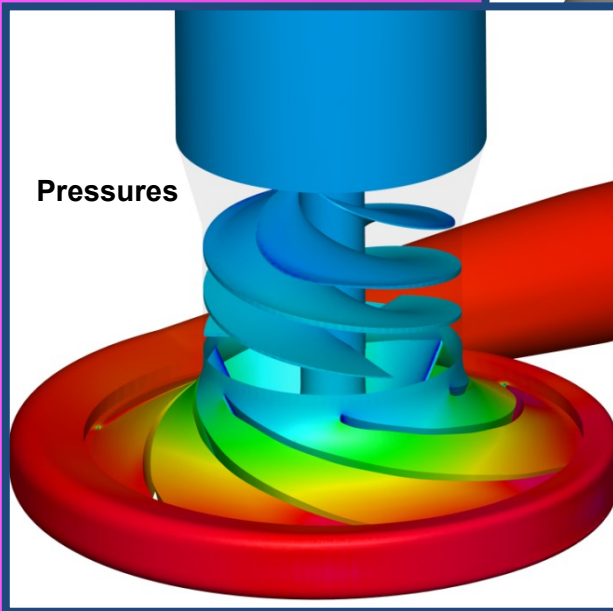
Generate a Grid in
Minutes ...

... and an Accurate
Solution faster than
other Commercial Codes

Automated
Grid
Generation

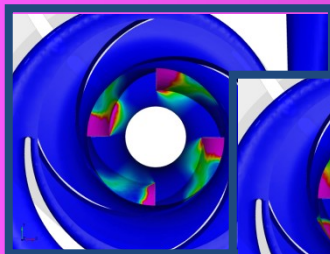


Pressures

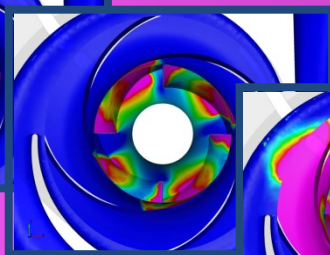


Optimize the Design

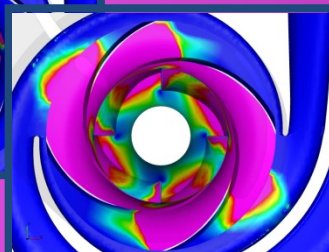
- Reduce Cavitation
- Improve Efficiency
- Reduce Noise & Vibration
- Reduce Pressure Ripple
- Accelerate Development
- Extend Life



NPSH=1.12m



NPSH=0.63m

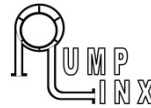


NPSH=0.53m

Predicts: Cavitation,
Pressures, flow-rates,
head, loads, power,
torques, and other pump
data



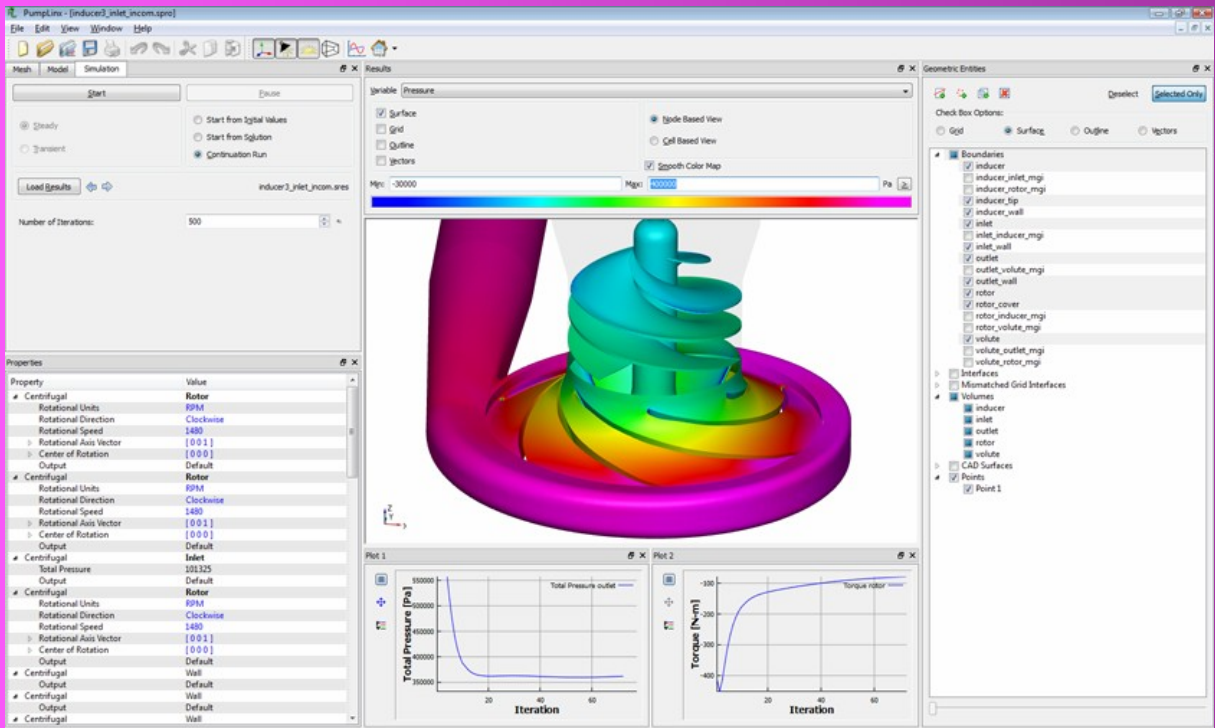
Simerics
TECHNOLOGY BY DESIGN



PumpLinX
DESIGNING BETTER PUMPS

Centrifugal Pumps

PumpLinX is a Virtual Test-bed
Predicts Flow, Pressure, Cavitation & Loads



PumpLinX Discriminators:

- Includes aeration, cavitation, and liquid compressibility
- Provides fast, automated grid generation
- Ease-of-setup and execution
- Fast calculation speed
- Excellent accuracy
- Able to model micron scale tip leakage
- Superior treatment of rotating-sliding interfaces
- Offers both transient and quasi steady-state solutions

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