7 New Ansys Fluent Features

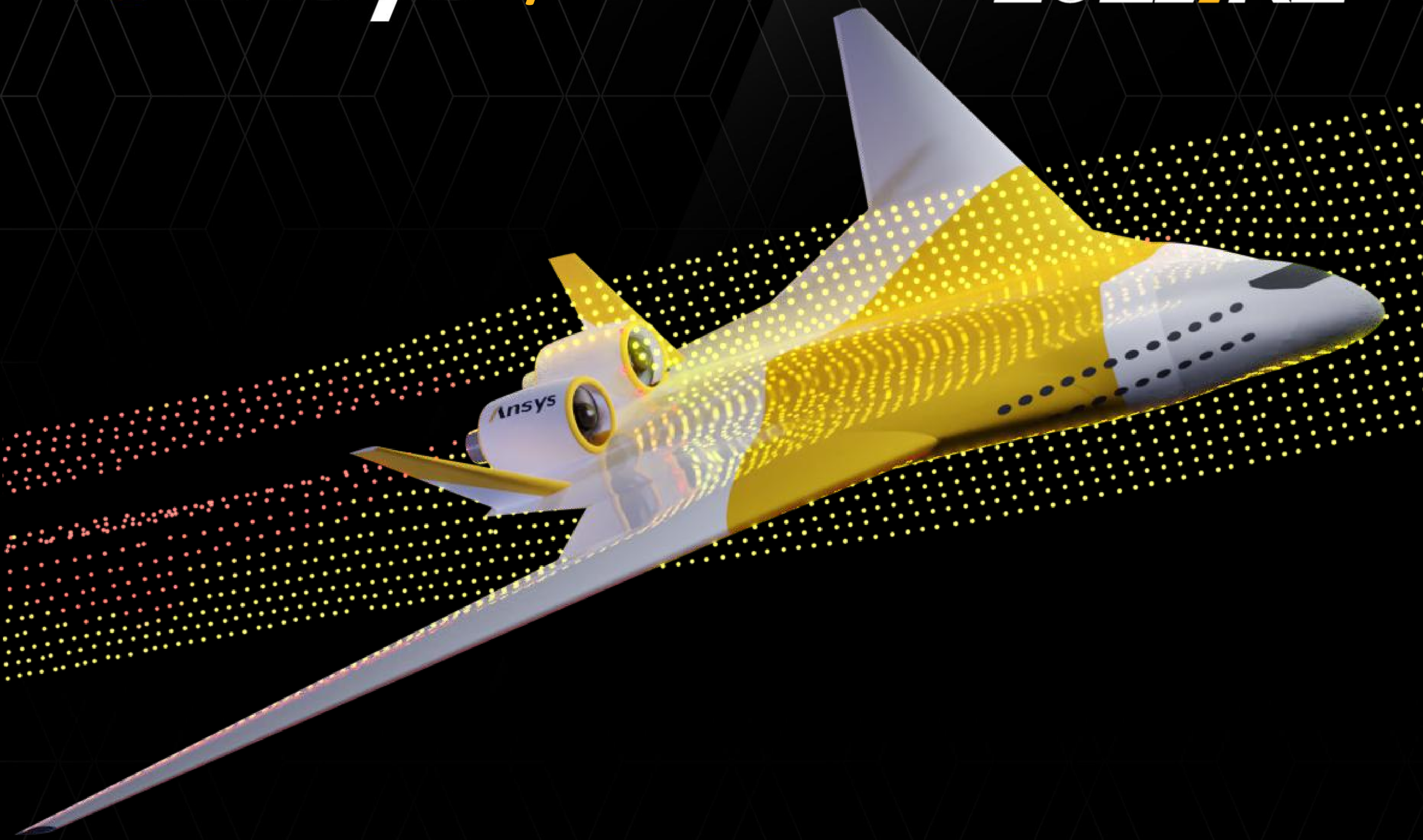


Ansys

2022/R2

Engineering What's Ahead.

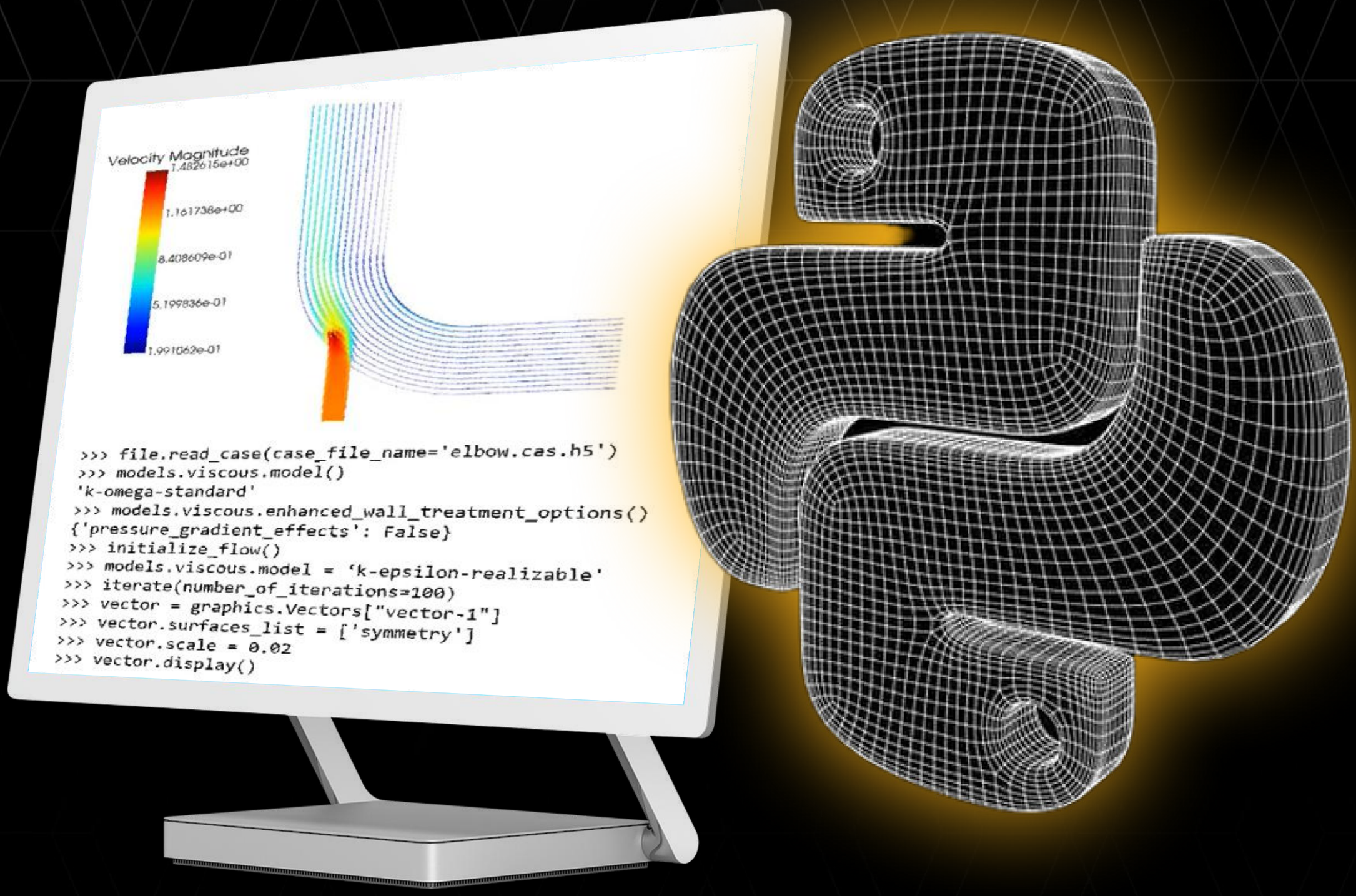
Ansys / FLUENT 2022/R2



Multi-GPU Solver Enhancements

The Multi-GPU solver now supports transient flows including scale resolving simulations (SRS), non-conformal interfaces (NCI) and moving reference frames (MRF)

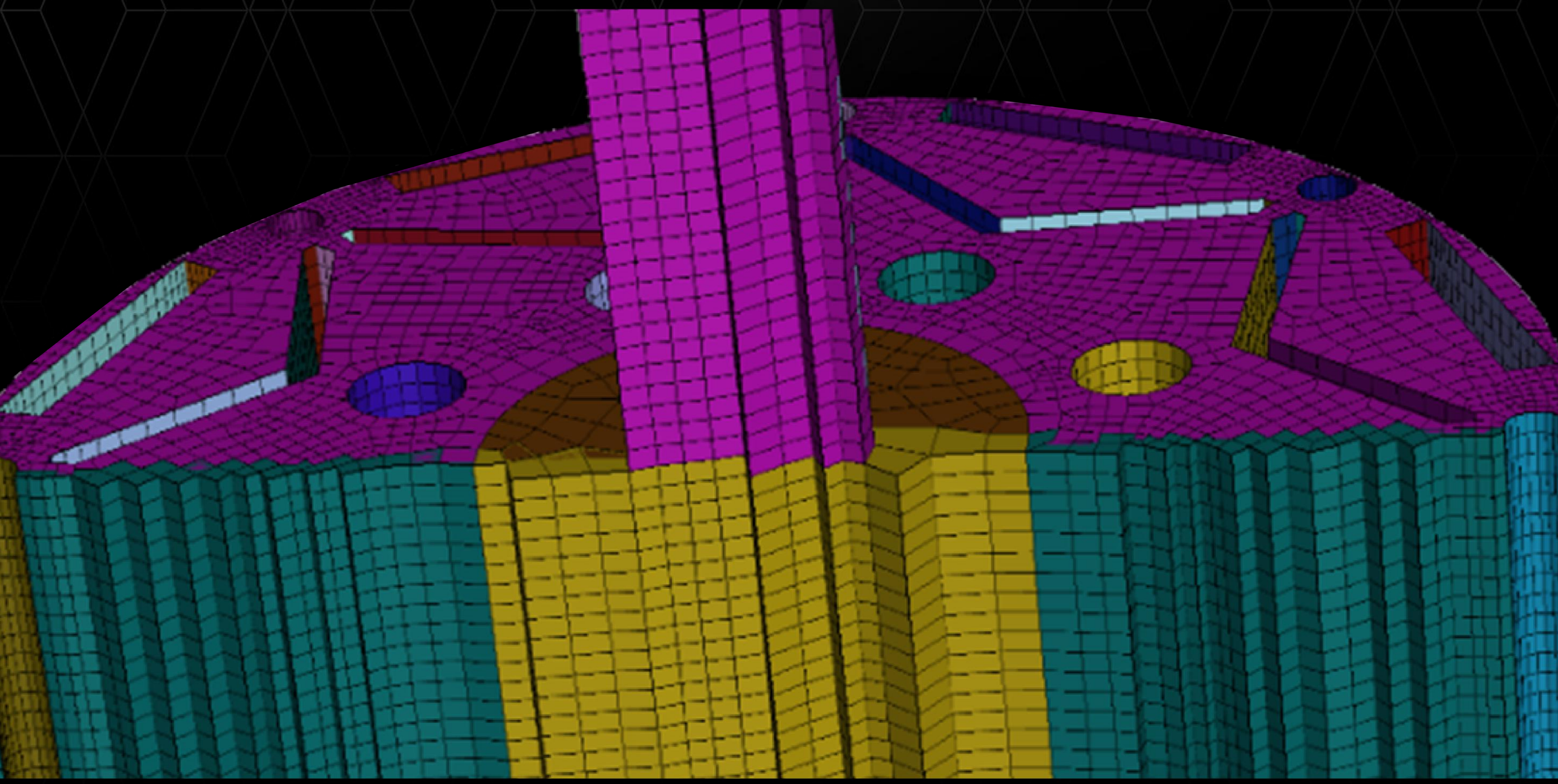
Ansys / FLUENT 2022/R2



Craft Specialized Solutions with PyFluent

PyFluent provides open source access to all Fluent commands from pre- to post-processing via Python

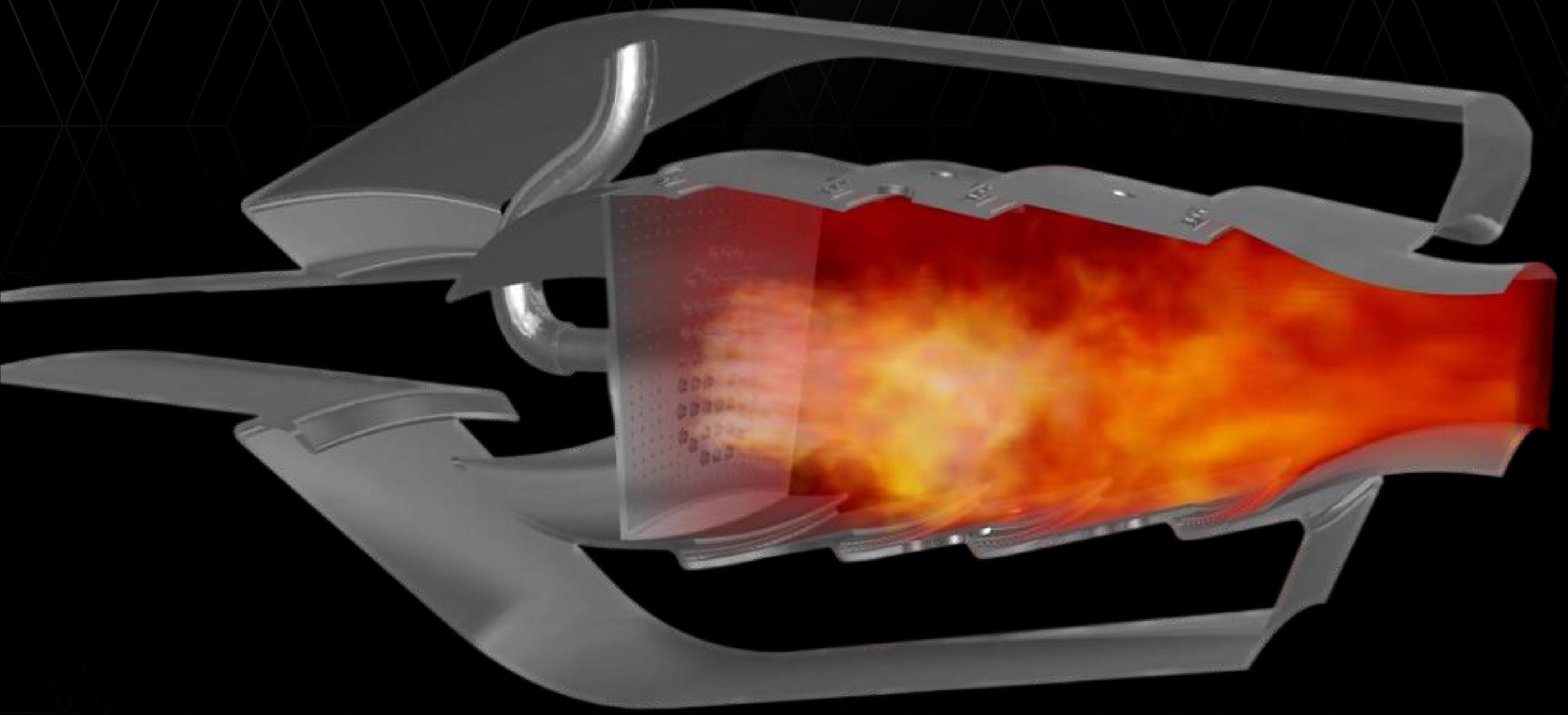
Ansys / FLUENT 2022/R2



Efficient Structured Meshing

Efficient and automated structured meshing is now integrated into the watertight geometry workflow

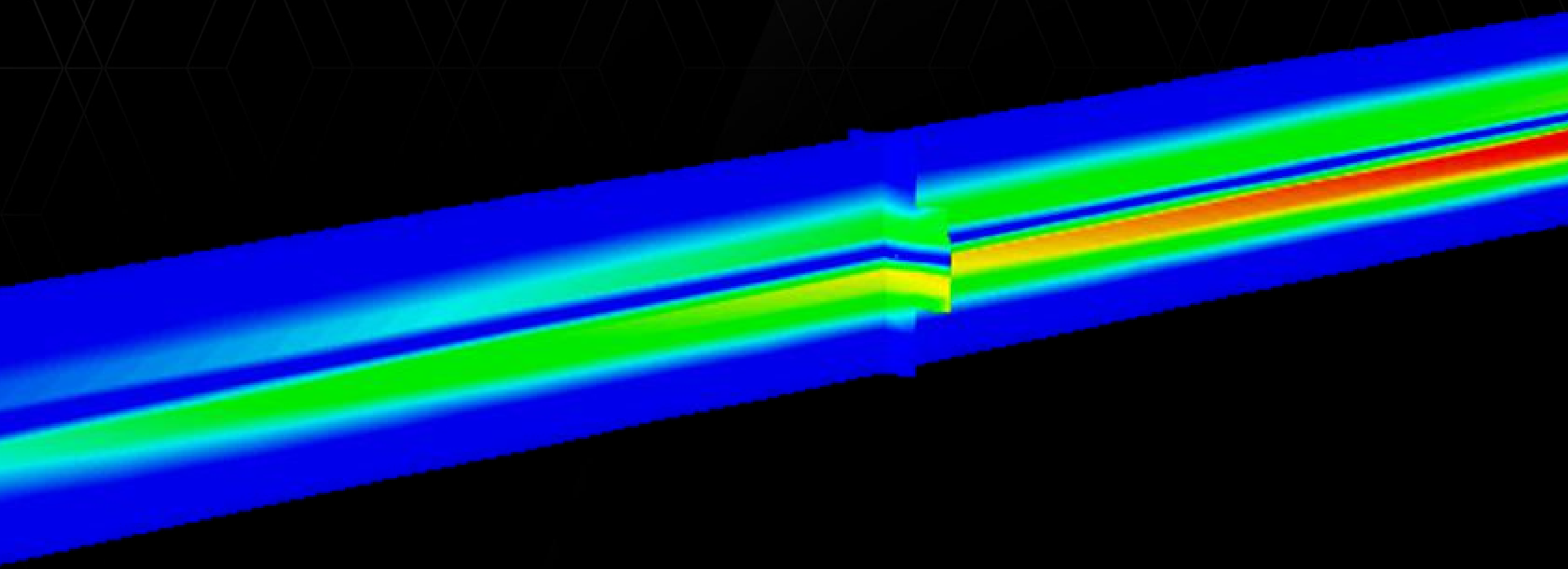
Ansys / FLUENT 2022/R2



Validated Hydrogen Combustion Models

Hydgrogen combustion models for accurate prediction of knock, detonation, flame stability and flashback

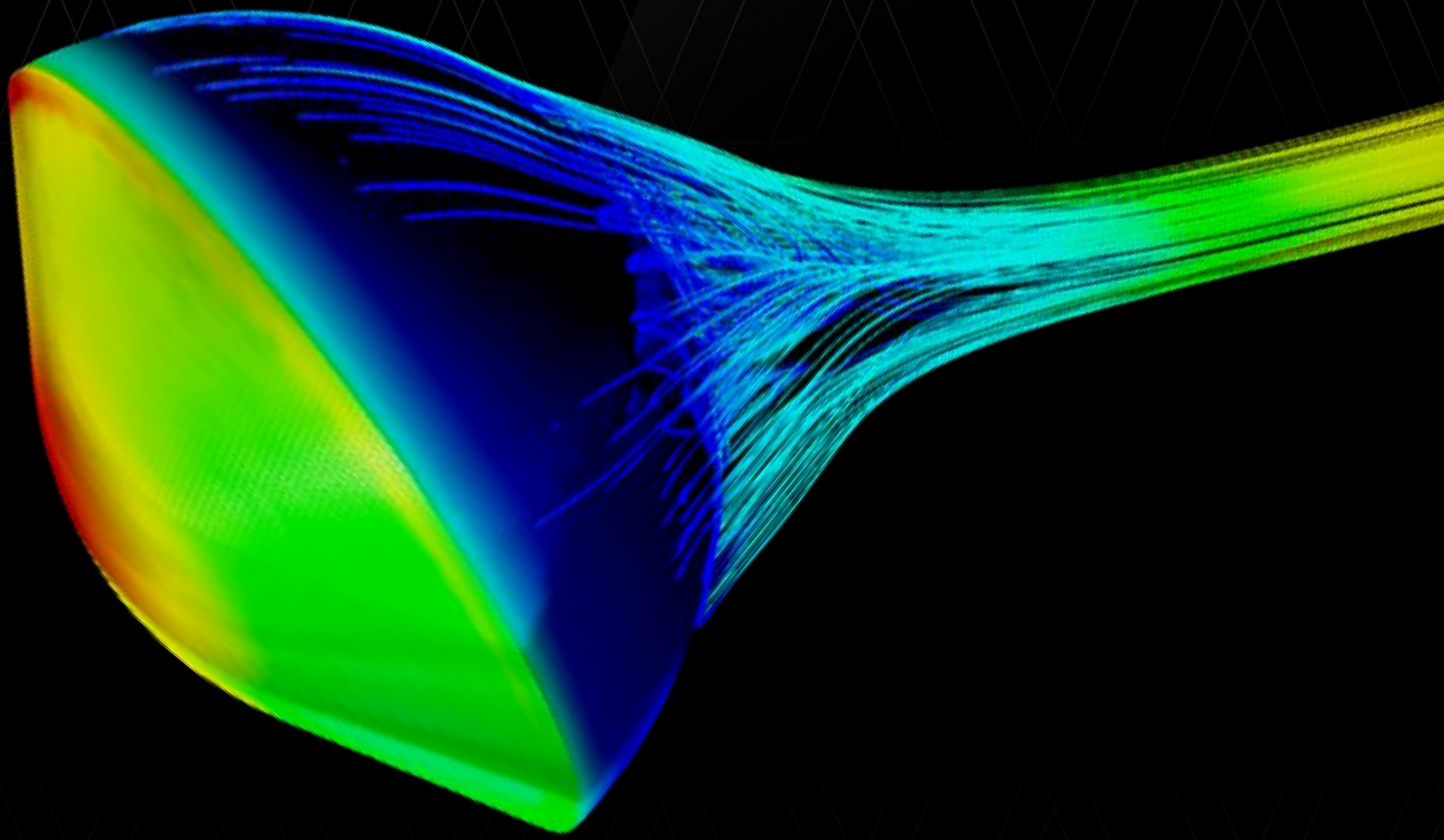
Ansys / FLUENT 2022/R2



Green Hydrogen Production

New proton exchange membrane (PEM) model for green hydrogen production through electrolysis

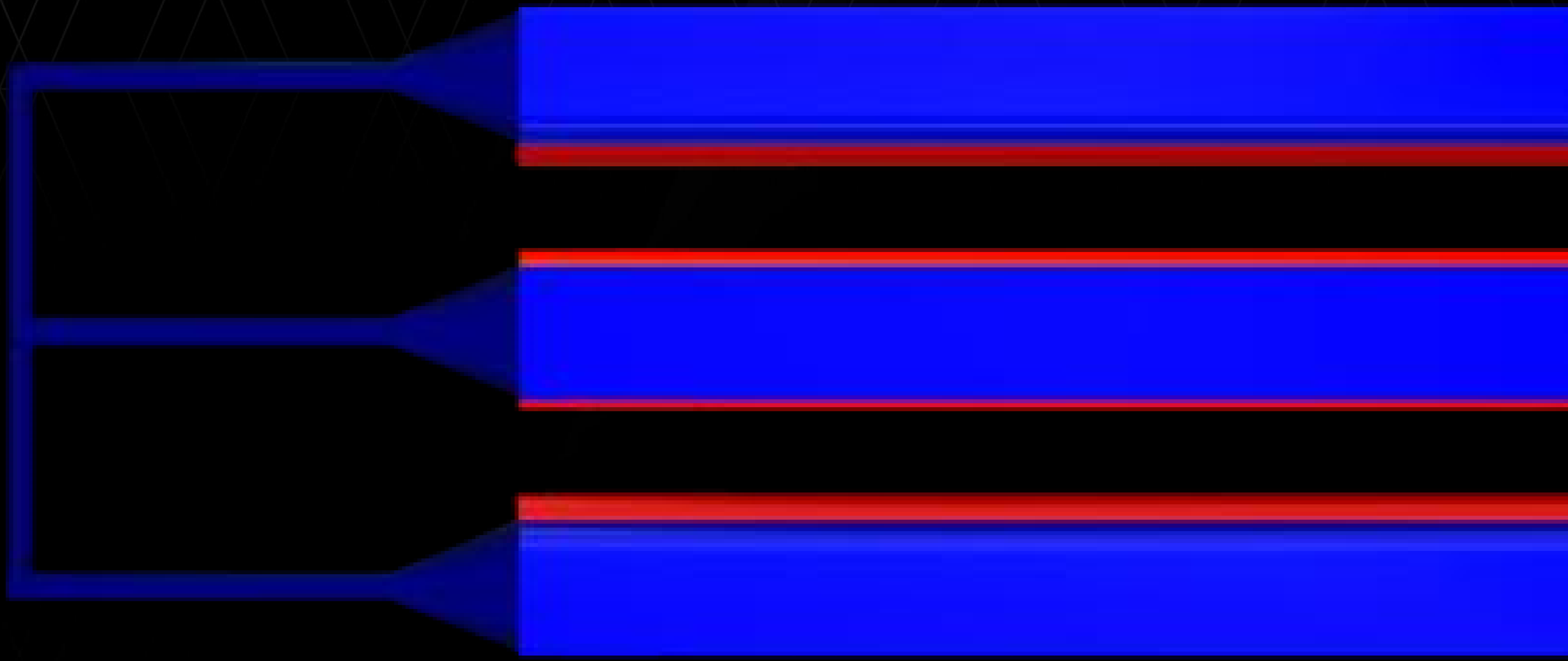
Ansys / FLUENT 2022/R2



Hypersonic Aerothermodynamics

New partially catalytic wall boundary condition to account for recombination of atoms near vehicle walls

Ansys / FLUENT 2022/R2



Electrochemistry-based Battery Swelling

New model to predict battery swelling during charging due to electrochemistry, pressure, and swell-related material properties

Ansys / FLUENT 2022/R2

Learn More At

https://ansys.me/fluentupdates