Abaqus/CFD 6.11

Data sheet

Analysis Types
- Incompressible fluid dynamics
- Transient
- Steady state using time marching
- Fluid heat transfer
- Buoyancy driven natural convection
- Laminar and turbulent flows

Analysis and Modeling Techniques
- Algebraic multi-grid (AMG) pre-conditioned Krylov solvers
- Parallel processing
- Restart
- Arbitrary Eulerian-Lagrangian method

Turbulence Models
- Spalart-Allmaras
- ILES
- RNG k-epsilon

Material Definitions
- Newtonian viscosity
- Specific heat
- Conductivity
- Density

Element Library
- 3-D hex
- 3-D tet
- 3-D triangular prism

Prescribed Conditions
- Inlet/outlet conditions
- Wall conditions
- Infiltration
- Moving boundary

Interactions
- Fluid-structure interaction co-simulation
- Conjugate heat transfer interaction co-simulation

Input
- Set concept
- Parts and assemblies
- Keyword input file

Output
- Interactive graphical postprocessing
- Platform-neutral output database
- Diagnostic messages

Supported Platforms
- Windows/x86-32
- Windows/x86-64
- Linux/x86-64
- AIX/Power

Documentation
- Analysis User's Manual
- Example Problems Manual

Product Support
- Maintenance and support
- Quality Monitoring Service
- Installation
- Training and User's Meetings

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