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ELEMENTS

4.2.0

FEATURE MATRIX

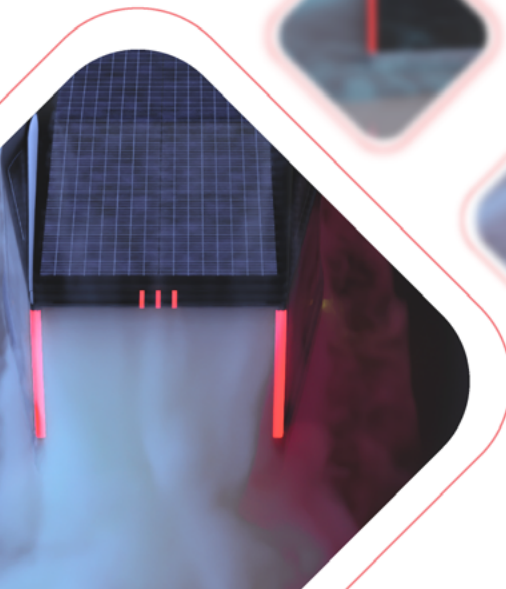| ELEMENTS Automotive & Motorsport Specific	ELEMENTS	ELEMENTS ADJOINT	ELEMENTS COUPLED
Steady-state External Aerodynamics Analysis	●	●	●
Transient External Aerodynamics Analysis	●	●	●
External Aerodynamics Setup Wizard	●		
External Aerodynamics Adjoint Optimization Setup Wizard		●	
Vehicle Type Specific Meshing and Simulations Best Practices	●	●	
Generation of Automatic Report with Results	●		
Report Customization	●		
Elliptic Blending Lag Turbulence Model	●		
Rotating Wheel Boundary Conditions	●		●
Rotating Wheels - Sliding Mesh (AMI)	●		●
Tyre Modelling - Generalized Reference Frame (GRF)	●		●
Cornering Analysis in Eulerian Nested Reference Frame	●		●
Underhood Thermal Management (UHTM) Analysis	●		
Cabin Pull-down, Heat-up Analysis	●		
Windscreen Defogging Analysis	●		
TAITherm Coupling Boundary Conditions	●		
Aeroacoustics Analysis	●		
Acoustic Sources (Proudman Sources)	●		
Acoustic Propagation (Ffowcs Williams-Hawkings Acoustic Analogy)	●		
Ducts and Engine Ports Shape and Topology Optimization		●	

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