



Release 1.0 Capabilities Chart	AERO SOFTWARE PACKAGE			
	BAP ¹	BAP ¹ + ATMaP ²	BAP ¹ + LiROMP ³	BAP ¹ + ViP ⁴
AERO-S: Structural/Thermal Analysis				
Analysis Types				
Static	x	x	x	x
Eigen	x	x	x	x
Frequency Response	x	x	x	x
Frequency Sweep	x	x	x	x
Modal Dynamic	x	x	x	x
Explicit Transient	x	x	x	x
Implicit Transient	x	x	x	x
Multi-Physics				
Fluid-Structure (Aeroelastic)	x	x	x	x
Fluid-Thermal (Conjugate Heat Transfer, Aerothermal)				x
Fluid-Structure-Thermal (Conjugate Heat Transfer, Aerothermoelastic)				x
Nonlinearities				
Geometric		x		
Buckling		x		
Contact		x		
Equation Solvers				
Direct	x	x	x	x
Iterative	x	x	x	x
Domain Decomposition	x	x	x	x
Features				
Sensors & Actuators	x	x	x	x
Customizable User Functions	x	x	x	x
Control Surfaces		x		

¹ Basic AERO Package

² Accelerated (Flows), Trimming and Maneuvering Package

³ Linearized (Flows) and Reduced-Order Modeling Package

⁴ Viscous Package