



SOLIDWORKS SIMULATION MATRIX

	Simulation Standard	Simulation Professional	Simulation Premium
Fully Embedded Analysis ¹	•	•	•
Assembly and Multi-Body Static Stress Analysis ¹	•	•	•
Communication and Report Generation ¹	•	•	•
Fatigue Analysis	•	•	•
Trend Tracker	•	•	•
Kinematic Motion (Time-Based) ¹	•	•	•
Kinematic Motion (Event-Based)		•	•
Submodeling		•	•
2D Simplification		•	•
Optimization		•	•
Thermal Analysis ²		•	•
Buckling Analysis		•	•
Frequency Analysis		•	•
Drop Test Analysis		•	•
Pressure Vessel Analysis		•	•
Load Case Manager		•	•
Shell Manager		•	•
Material Web Portal Access		•	•
Nonlinear Analysis			•
Plastic Deformation/Residual Stress			•
Plastic and Rubber Material Analysis			•
Enhanced Large Displacement Structural Analysis			•
Composite Material Analysis			•
Dynamic Analysis			•
Forced Vibration Analysis			•
Nonlinear Dynamics			•

1. Feature is also included in **SOLIDWORKS Premium**

2. Thermal analysis using CFD methodology is also available in **SOLIDWORKS Flow Simulation**

