

ANSYS DISCOVERY CAPABILITY	Discovery Modeling	Discovery Simulation
Open Data from All Major CAD Systems	•	•
Modify Imported Geometry	•	•
Defeaturing and Simplification Tools	•	•
Model Repair	•	•
Repair and Edit Faceted Data	•	•
Geometric Parameterization	•	•
Scripting	•	•
Transfer to Mechanical	•	•
Transfer to Fluent	•	•
Simulation Setup & Pre-processing		•
Post-processing of Results		•
Static Structural		•
Modal		•
Point Masses		•
Pre-stressed Modal		•*
Linear Frictionless Contact		•
Nonlinear Contact & Joints		•*
Large Deformation		•*
Pre-tension Bolts		•*
Topology Optimization		•*
Manufacturing Constraints for Topology Optimization		•
Steady-state Thermal		•
Conduction		•
Convection		•
Transient Thermal		•
Steady-state Flow		•
Transient Flow		•
Incompressible Flow		•
Buoyancy - Boussinesq		•
Thermal Surface Loads (convection, heat)		•
Thermal-stress		•
		* Requires additional license