Ansys Academic Product Reference Table

	Structures, Fluids & Discovery Solver Products							Electronics & Systems Solver Products																				Optics Solver Products					Solver Numerical Limits							MCAD Geometry & EDA Interfaces					Pre/Post Processing & Workbench Features																		High Performance Computing					Other		
	Ansys Mechanical Enterprise (Autodyn, Fatigue Module, Asas, Aqwa, and more)	Ansys CFD Enterprise (CFX, Fluent, FENSAP-ICE, Forte, Polyflow, Chemkin, and more)	Ansys LS-DYNA	Ansys Additive Suite	Ansys Additive Print	Ansys SpaceClaim Direct Modeler (includes Faceted Data Toolkit)	Ansys Discovery	Ansys Electronics Enterprise (Electronics Desktop, HFSS, Maxwell, and more)	Ansys Electronics Premium HFSS	Ansys Electronics Premium Icepak	Ansys Electronics Premium SIwave	Ansys Electronics Premium Q3D Extractor	Ansys Electronics Premium Maxwell	Ansys EMA3D Cable	Ansys Motor-CAD Enterprise	Ansys RedHawk NX	Ansys RedHawk SD	Ansys PowerArtist XP	Ansys Simplorer Advanced (legacy)	Ansys SCADE Suite Advanced Modeler Seat	Ansys SCADE Suite KCG Code Generator - C and ADA	Ansys SCADE Display Advanced Modeler Seat	Ansys SCADE Display KCG	Ansys SCADE Architect Advanced Modeler Seat	Ansys SCADE LifeCycle Reporter	Ansys SCADE Test Environment for Host	Ansys SCADE Test Model Coverage	Ansys Lumercial FDTD	Ansys Lumerical MODE	Ansys Lumerical Multiphysics	Ansys Lumerical INTERCONNECT	Ansys Lumerical CML Compiler	Unlimited	Numerical problem size limits	128K nodes/element - All FEA	64K nodes/element - Low Frequency Electromagnetics	512K nodes/element - Low Frequency Electromagnetics	512K nodes/element - High Frequency (Full Wave) Electromagnetics	512K nodes/element - All CFD	Ansys Geometry Interfaces for Parasolid & SAT	Ansys Geometry Interfaces for Solidwork, SolidEdge, Autodesk, NX	Ansys Geometry Interface for CATIA V5 & V6 Reader	Ansys Geometry Interface for Creo Parametric & Elements/Direct Modeling	Geometry Interface for JT	Ansys PrepPost (Includes Ansys M-APDL Prep7, Post1)	Workbench Schematic (Project Page)	Ansys DesignModeler	Ansys Customization Suite (ACT)	Ansys Workbench Meshing (Includes Extended Meshing)	Ansys Workbench System Coupling (FSI with ONE license)	Ansys Workbench Acoustics	Ansys Workbench Topolgical Optimization	Ansys DesignXplorer	Ansys Workbench Mechanical Application (Simulation)	Ansys Workbench Resources (Engineering Data)	Ansys Workbench Design Point Updates	Ansys Composite PrepPost	Ansys CFD PrepPost (Includes Mesh Morpher, TurboGrid)	Ansys ICEM output interfaces for 3rd party solvers	Ansys Blademodeler (Bladegen, BladeEditor & VISTA CPD, CCD, AFD & RTD)	Ansys LS-DYNA Export *.K file	Ansys EnSight Enterprise (includes EnVision Pro)	Built-in HPC (4 cores per task)	Built-in HPC (16 cores per task)	Ability to extend built-in HPC (at extra cost)	Optimetrics - Parametric Design Optimization for HFSS, Maxwell, etc.	Distributed Solver Option (DSO) - For distributing an optimization solution	Node locked license (tied to installation machine)	Floating LAN Licenses (50 mile radius standard, upgradeable to Country Wide)	Floating LAN Licenses (Country Wide standard)
ACADEMIC STRUCTURES & FLUIDS PRODUCTS																																																																						
ACADEMIC ASSOCIATE																																																																						
Ansys Academic Associate Mechanical and CFD	•	•		•	•	•	•																									•							•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		•		•	•				•	
Ansys Academic Associate CFD		•				•	•																									•							•	•	•	•	•		•	•	•	•	•			•		•	•		•		•		•		•	•				•	
Ansys Academic Associate HPC (Including HPC Workgroup)	•	•																														•																																		•	
ACADEMIC RESEARCH																																																																						
Ansys Academic Research Mechanical and CFD	•	•		•	•	•	•																									•							•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		•		•	•				•	
Ansys Academic Research Mechanical	•			•	•	•	•																									•							•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•								•	•				•	
Ansys Academic Research CFD		•				•	•																									•							•	•	•	•	•		•	•	•	•	•			•		•	•		•		•		•		•	•				•	
Ansys Academic Research HPC (Including HPC Workgroup)	•	•																														•																																		•	
Ansys Academic Research LS-DYNA			•																														•							•	•	•	•	•		•	•		•				•	•	•	•					•				•				•	
Ansys Academic Research LS-DYNA HPC			•																														•																																		•	
ACADEMIC TEACHING																																																																						
Ansys Academic Teaching Mechanical and CFD	•	•		•	•	•	•																									•							•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		•	•						•	
Ansys Academic Teaching Mechanical	•			•	•	•	•																									•							•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•						•						•	
Ansys Academic Teaching CFD		•				•	•																									•							•	•	•	•	•		•	•	•	•	•			•		•	•		•		•		•		•	•						•	
ACADEMIC FREE STUDENT PRODUCTS																																																																						
Ansys Student	•	•				•																										•	•	•		•	•						•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		•	•					•		
Ansys Discovery Student						•	•																										•																																	•		
Ansys SCADE Student																			•	•													•																																	•		
Ansys LS-DYNA Student																																		•	•																													•					•		
ACADEMIC TOOLBOX																																																																						
Ansys Academic Preprocessing Tools (renamed from Meshing Tools)																																	•							•	•	•	•	•		•	•	•	•						•	•			•										•	
ACADEMIC ELECTRONICS & SYSTEMS PRODUCTS																																																																						
ACADEMIC ASSOCIATE																																																																						
Ansys Academic Associate Electronics Suite						•		•						•	•	•		•	•															•																														•	•	•	•		•	
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Ansys Academic Associate EM						•							•	•	•					•															•																														•	•	•	•		•	
Ansys Academic Associate Electronics HPC (Including HPC Workgroup)																																	•																																		•	
Ansys Academic Associate Redhawk															•																		•																																		•	
Ansys Academic Associate Powerartist																	•																•																																		•	
Ansys Academic Associate SCADE																			•	•	•	•	•	•	•	•						•																																		•	
ACADEMIC RESEARCH																																																																						
Ansys Academic Research Electronics Suite						•		•						•	•	•	•	•	•															•																														•	•	•	•		•	
Ansys Academic Research HF						•			•	•	•	•		•																				•																														•	•	•	•		•	
Ansys Academic Research EM						•		•				•	•	•					•															•																														•	•	•	•		•	
Ansys Academic Research Electronics HPC (Including HPC Workgroup)																																	•																															•				•	
Ansys Academic Research Redhawk															•																		•																																		•	
Ansys Academic Research Powerartist																	•																•																																		•	
Ansys Academic Research SCADE																			•	•	•	•	•	•	•	•						•																																		•	
ACADEMIC TEACHING																																																																						
Ansys Academic Teaching Electronics Suite						•		•						•	•		•	•	•															•																													•			•	•		•	
Ansys Academic Teaching HF						•			•	•	•	•		•																				•																													•			•	•		•	
Ansys Academic Teaching EM						•		•				•	•	•					•															•																													•			•	•		•	
Ansys Academic Teaching Redhawk																•																	•																																		•	
Ansys Academic Teaching Powerartist																	•																•																																		•	
Ansys Academic Teaching SCADE																			•	•	•	•	•	•	•	•						•																																		•	
ACADEMIC MULTIPHYSICS CAMPUS SOLUTION PRODUCTS																																																																						
Ansys Academic Multiphysics Campus Solution (all versions)	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•															•							•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		•	•	•	•	•	•			•
ACADEMIC LUMERICAL (PHOTONICS) PRODUCTS																																																																						
ACADEMIC RESEARCH																																																																						
Ansys Academic Lumerical FDTD Research																											•					•																																		•	
Ansys Academic Lumerical Accelerator Research																											•					•																																		•	
Ansys Academic Lumerical Research																											•	•	•	•	•	•																																		•	
ACADEMIC TEACHING																																																																						
Ansys Academic Lumerical Teaching																											•	•	•	•	•	•																																		•	

NOTES:

1. As of 2021 R1, license feature increments for academic and commercial are the same, and all Ansys Academic products use the Ansys License Manager. Our Academic Product Bundles can include many products, thus it is not practical to show all the license features in this table. Please use the Ansys Learning Forum (www.ansys.com/forum) or contact your Ansys Academic Account Manager/Technical Support for questions on specific features.

2. This Product Reference Table outlines our simulation products, but does not include the Ansys GRANTA Academic product offerings. Please contact your account manager for details on these products.

Table version: 2021 R1 Version Date: 2/3/2021
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