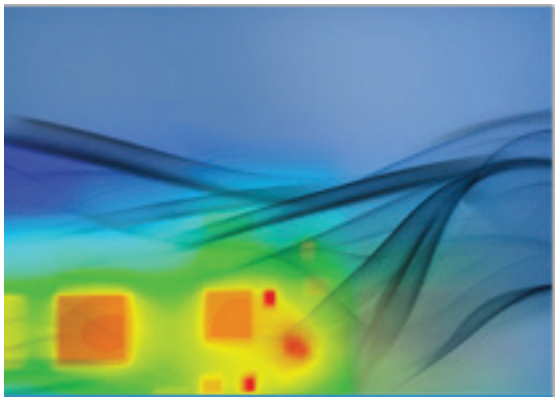
ANSYS Student

ANSYS simulation technology enables you to predict with confidence that your products will thrive in the real world. Customers trust our software to help ensure the integrity of their products and drive business success through innovation.



Stylized view of printed circuit board transient thermal analysis

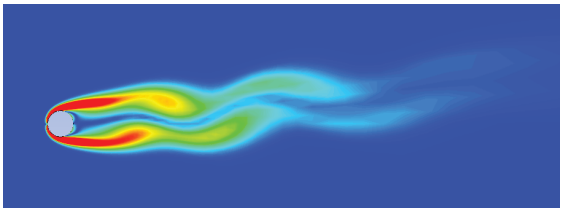
Introductory Software Package

For engineering students who are interested in learning the fundamentals of simulation while gaining exposure to our state-of-the-art ANSYS Workbench simulation workflow, pre-processing, post-processing and solver products.

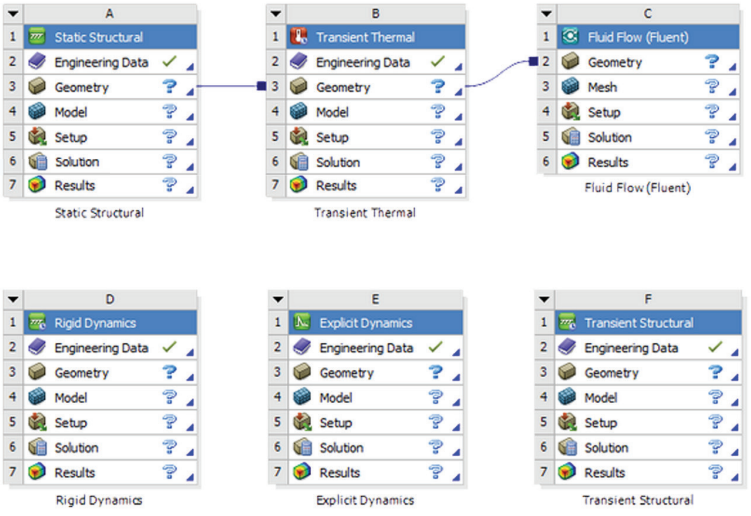
License

The renewable six-month product license is free and can be downloaded and used by students anywhere in the world. It provides access to versions of ANSYS® Mechanical™, ANSYS® CFD™, ANSYS® Autodyn®, ANSYS® Workbench™, ANSYS® DesignModeler™ and ANSYS® DesignXplorer™ that are limited only in the size of the problems that can be solved. ANSYS® Student can be installed on any supported MS Windows 64-bit machine.

The ANSYS Student License is for personal educational purposes. The analysis work performed with ANSYS Student must be non-proprietary, and the product may not be used for competitive analysis (such as benchmarking) or for any commercial work.



Unsteady flow around a cylinder[1]



Examples of some analysis systems and system connections shown in the Workbench Project Page

[1]Simulation image courtesy Cornell University

Release Version 16.2

- Simulation Applications: Release 16.2
- ANSYS License Manager components: Release 16.2

License Type

- 6 month lease

Media

- Download only
- Download size: ~4 GBytes WinZip file

Supported Platforms and Operating Systems

- Microsoft Windows 7 64-bit
- Microsoft Windows 8 64-bit

Minimum Hardware Requirements

- Processor(s): Workstation Class
- 4 GByte RAM
- 25 GByte hard drive space
- Computer must have a physical C:/" drive present
- Graphics card and driver: Professional workstation class 3D OpenGL-capable

Bundled Applications

- ANSYS® Workbench™
- ANSYS® Multiphysics™
- ANSYS® Mechanical™
- ANSYS® Autodyn®
- ANSYS® CFD™ (ANSYS® CFX™ and ANSYS® Fluent™)
- ANSYS® Meshing™ and Extended Meshing
- ANSYS® DesignModeler™
- ANSYS® DesignXplorer™

ANSYS® HPC (High Performance Computing)

- Support for up to 16 cores for HPC solutions

Geometry Import

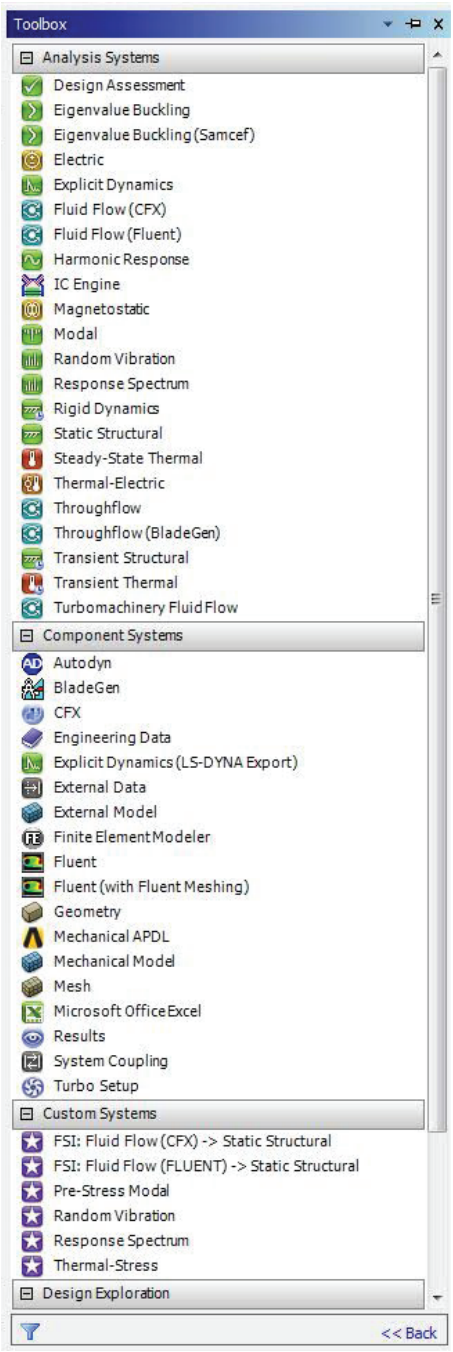
- Neutral format import IGES, STEP
- Parasolid (Native within ANSYS® DesignModeler™)

Numerical Limits

• Structural	32,000	Nodes/Elements
• Fluids	512,000	Nodes/Cells

Workbench Analysis Systems

- Design Assessment
- Electric
- Explicit Dynamics
- Fluid Flow (CFX)
- Fluid Flow (Fluent)
- Harmonic Response
- Linear Buckling
- Magnetostatic
- Modal
- Random Vibration
- Response Spectrum
- Rigid Dynamics
- Shape Optimization
- Static Structural
- Steady-State Thermal
- Thermal-Electric
- Transient Structural



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[1] CFX is a trademark of Sony Corporation in Japan.