

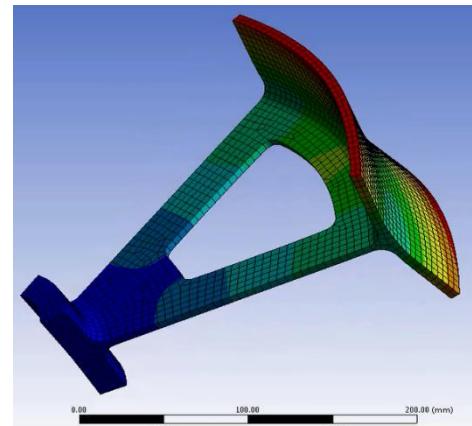
ANSYS Student Products

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.

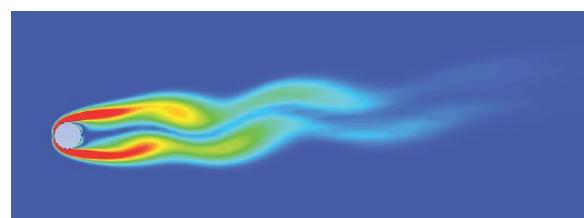
The renewable twelve-month product license is free and can be downloaded and used by students anywhere in the world. It provides access to versions of ANSYS® Mechanical™, ANSYS® CFD™, ANSYS® Autodyn®, ANSYS® Workbench™, ANSYS® DesignModeler™ and ANSYS® DesignXplor- er™ that are limited only in the size of the problems that can be solved.

ANSYS® Student can be installed on any supported MS Windows 64-bit machine (MS Windows 7, 8 and 10)

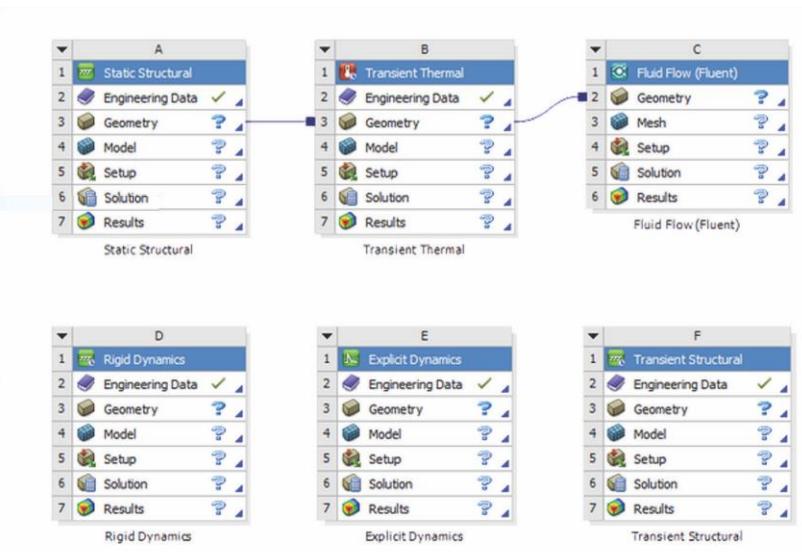
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Structural analysis of rotating wheel sector



Unsteady flow around a cylinder¹



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

¹Simulation image courtesy Cornell University

Release Version 18.0

- Simulation Applications: Release 18.0
- ANSYS License Manager Components: Release 18.0

License Type

- Twelve-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
- Microsoft Windows 10 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 | • Random Vibration |
| • Electric | • Response Spectrum |
| • Explicit Dynamics | • Rigid Dynamics |
| • Fluid Flow (CFX) ¹ | • Shape Optimization |
| • Fluid Flow (Fluent) | • Static Structural |
| • Harmonic Response | • Steady-State Thermal |
| • Linear Buckling | • Thermal-Electric |
| • Magnetostatic | • Transient Structural |
| • Modal | |



¹CFX is a trademark of Sony Corporation in Japan.

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