


Agenda and Introduction to ANSYS

A visualization of fluid dynamics showing blue, wavy, semi-transparent surfaces that resemble smoke or liquid flow, set against a light yellow background.

Fluid Dynamics

A 3D rendering of a purple gear with a glowing white center, surrounded by other faint gear shapes, representing structural mechanics.

Structural Mechanics

A series of concentric green circles with a glowing center, representing electromagnetic fields or waves.

Electromagnetics

A 3D arrangement of teal and black rectangular blocks, some stacked and some floating, representing systems and multiphysics modeling.

Systems and Multiphysics

Introduction to ANSYS SpaceClaim Direct Modeler



Agenda : Introduction to SpaceClaim (8:30 AM – 5 PM)

ANSYS Introduction (10 mins.)

Module 1: Basics (20 mins.)

- **Workshop 1 (40 mins.)**

Module 2: Creating Geometry (40 mins.)

- **Workshop 2 (80 mins.)**

Module 3: Repairing Geometry (40 mins.)

- **Workshop 3 (90 mins.)**

Module 4: Preparing for Analysis (40 mins.)

- **Workshop 4A: Preparing for CFD Analysis (90 mins.)**
- **Workshop 4B: Creating Geometry for CFD Analysis (90 mins.)**
- **Workshop 4C: Preparing for FEA Analysis (90 mins.)**
- **Workshop 4D: Creating Geometry for FEA Analysis (90 mins.)**



A: About ANSYS Inc.

PROVEN 40+ years
Validating our solutions on the most advanced product applications

MARKET LEADER 
Long-term growth, financial stability and CAD agnostic

DEDICATED

2,700+
employees

75
locations

40
countries



FOCUSED
This is all we do.

Leading product technologies in all physics areas
Largest development team focused on simulation

Breadth of Technologies

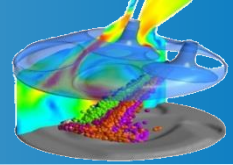
ANSYS



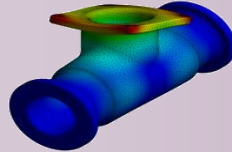
Fluid Mechanics:
From Single-Phase Flows



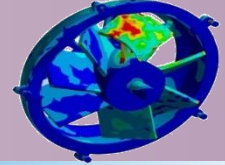
To Multiphase
Combustion



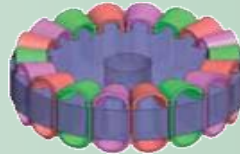
Structural Mechanics:
From Linear Statics



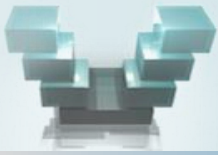
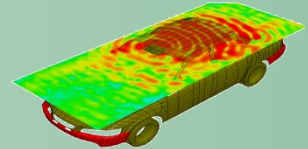
To High-Speed Impact



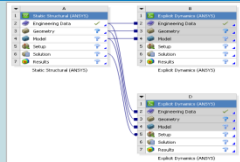
Electromagnetics: From
Low-Frequency Windings



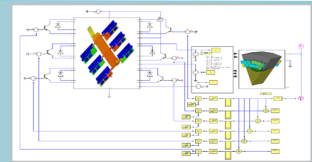
To High-Frequency
Field Analysis



Systems:
From Data Sharing



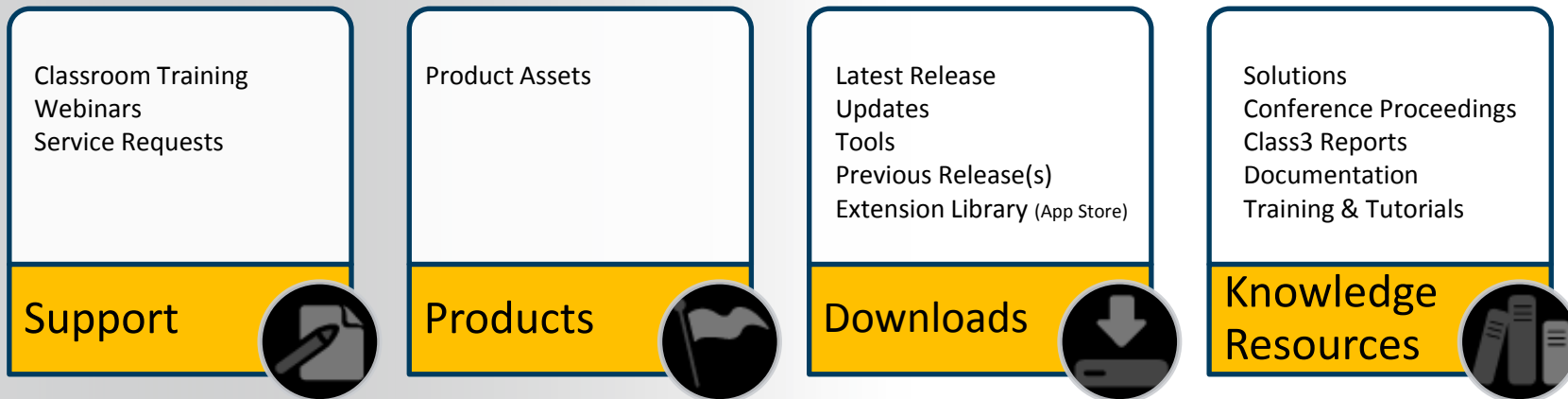
To Multi-Domain
System Analysis



<https://support.ansys.com>

Contains over 85,000 support assets powered by a modern web user interface and powerful search engine.

Over 5.2 million page views in 2014



The ANSYS Customer Portal's search is powered by dedicated Google® hardware.



Mesh = Meshed = Meshing
Export = Exported = Exporting
XXXXX = YYYYYY = ZZZZZ

Example:

You want a meshing tutorial for ANSYS Meshing and your search has results for other products that are not of interest to you; by selecting the product facet “ANSYS Meshing” you can narrow down your results further.

Product Family

Structural Mechanics (60)

Fluid Dynamics (57)

Workbench (20)

Application Specific (18)

General (6)

[+ View More](#)

Product

ANSYS Mechanical APDL (54)

ANSYS Fluent (29)

ANSYS CFX (18)

ANSYS Polyflow (11)

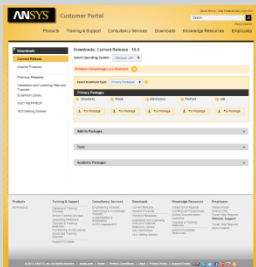
ANSYS TurboGrid (7)

[+ View More](#)



Submit and review service requests

If you cannot find the answer to your question within the ANSYS Customer Portal then you can submit a service request. A member of ANSYS technical support will then get back to you with advice or a solution.



Download the latest software and updates

Download ISO images if you wish to create a DVD which is recommend for installations on multiple computers and allows you to keep an archive of the installation for later re-use.

Package downloads can also be selected if you want to install files directly.



Download classroom and video training material

Training and tutorial material are available for both a broad range of ANSYS products and user's experience. Search the hundreds of courses available and improve your knowledge of ANSYS software.