



ANSYS Learning Hub 学习资源

2019.2.27

登录主页

我的ANSYS学习中心



欢迎室



我的学习室



我的学习任务



我的学习成绩

我的学习选项



课程浏览



学习途径



课程更新

学习室主页

ALH 课程列表 按学科分类



电子



流体



结构



平台



3D设计



全部列表

说明：由于汉化原因，最新上线的课程（光学、半导体、嵌入式系统），需要通过英文版面访问。

ALH 学习室



流体
前处理



结构
非线性



结构
动力学



结构
增材制造



基于ANSYS Ensignt的
后处理



基于ANSYS optiSlang
的优化设计

ALH 设计挑战 结构



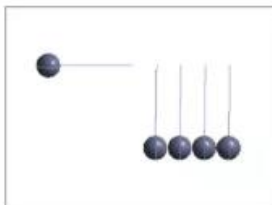
Bicycle Crank
应力分析



Globe Valve
应力分析



Fork Bracket
拓扑优化



Newton's Cradle
刚体动力学



Snap-Fit Assembly
非线性材料



Graphics Card
振动

上线资源概述

学科\资源	基础课程	高级课程	全部课程	自学视频课程	主题学习室
结构	10	20	30	5	4
流体	17	21	38	5	1
电子	9	5	14	5	
平台	13		13	8	2
3D设计	2		2		
嵌入式软件	6	2	8		
光学	9		9		
半导体	2		2		
系统	6		6		
总计	74	48	122	23	7



学习内容

中文课程列表



ANSYS Learning
Hub中文课程列表

英文课程列表



ANSYS Learning
Hub英文课程列表



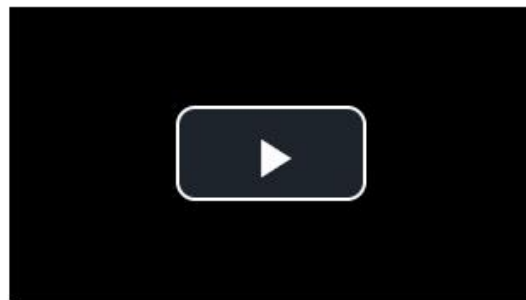
学习室

中文学习室

中文学习室

[主页](#)[自学视频课程](#)[精品培训课程](#)[培训视频集锦](#)[培训资料库](#)[技术交流](#)[培训日程](#)[+](#)[35 Views](#)[Edit](#)[Translate](#)[Versions](#)[Copy](#)[Delete](#)

ANSYS培训概述



ALH_2.0简介



概述

本学习室专门为大中华区及全球华人/华裔用户定制。这里有各种中文培训资源，包括：视频、教程、线上/线下培训日程、网上答疑/技术交流等，旨在给ANSYS华人/华裔用户提供持续的一站式本地化培训服务。

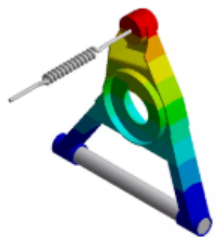
本学习室将主要定位于：

1. 纯技术学习内容，无市场资料
2. 培训和指导如何做，而非证明演示或特定技术支持
3. 中文环境的学习内容和技术交流，避免语言问题

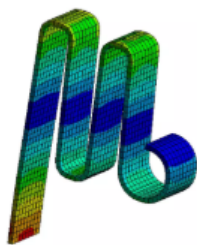
结构 | 非线性

Overview Live Sessions Tips & Tricks Applications Q&A

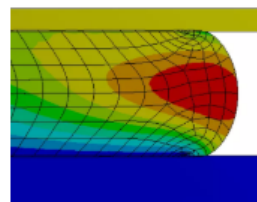
Learning Paths



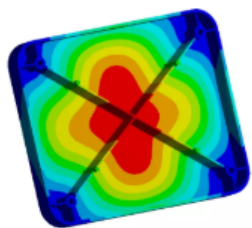
ANSYS Mechanical
Advanced Connections



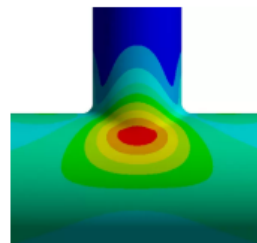
ANSYS Mechanical
Basic Structural Nonlinearities



ANSYS Mechanical
Material Nonlinearities



ANSYS Mechanical
Analysis of Structural Plastics



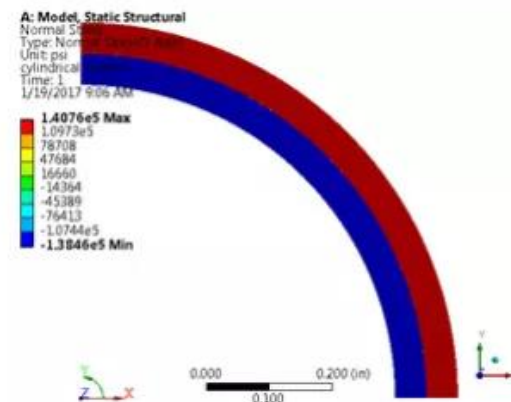
ANSYS Mechanical
Advanced Material Modeling

ons Tips & Tricks Applications Q&A

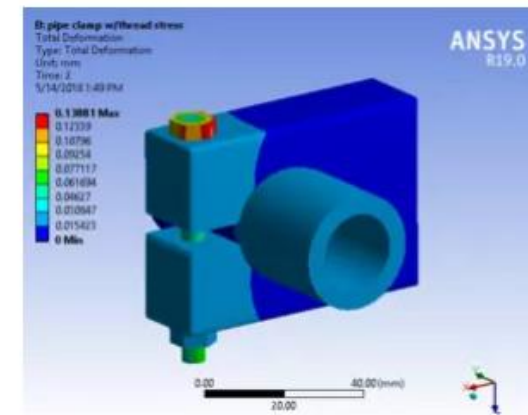
Introduction

The Applications page offers solved example problems that illustrate a good-practice modeling approach for a variety of nonlinear applications. For each application, we provide the modeling objectives, approach, assumptions, and trade-offs. The associated ANSYS Mechanical models and supporting materials are available for your download and use.

Press Fit



Pipe Clamp



结构 | 动力学

Subject Overview

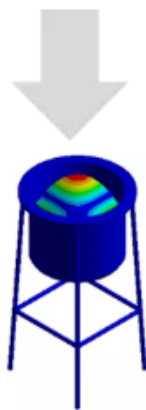
Live Sessions

Tips & Tricks

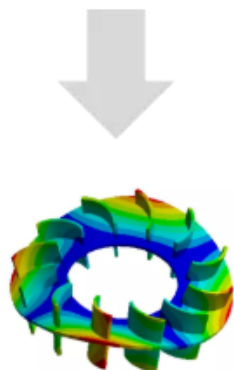
Applications

Subject Q&A

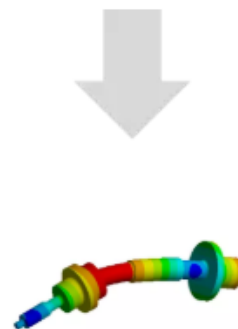
Learning Paths



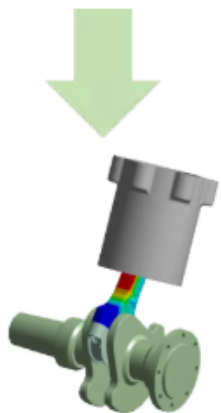
ANSYS Mechanical
Acoustics



ANSYS Mechanical
Linear and Nonlinear Dynamics



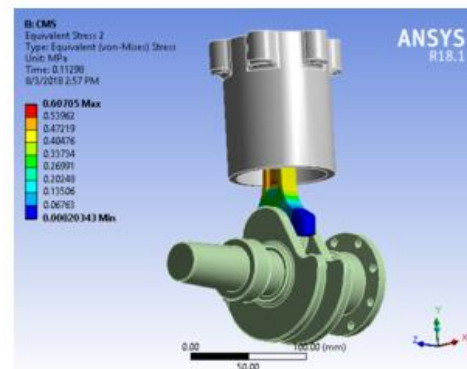
ANSYS Mechanical
Rotordynamics



ANSYS Mechanical
Rigid Body Dynamics

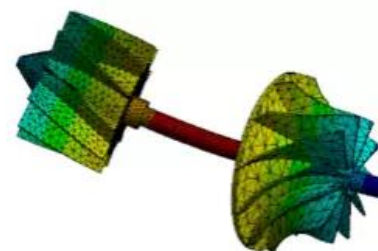
Application Write Ups

Reciprocating Engine CMS



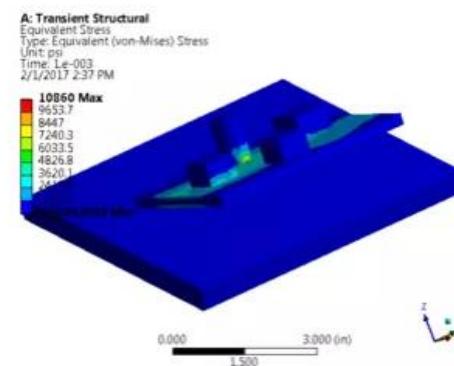
Application

Rotor Dynamics Analysis of a Turbocharger



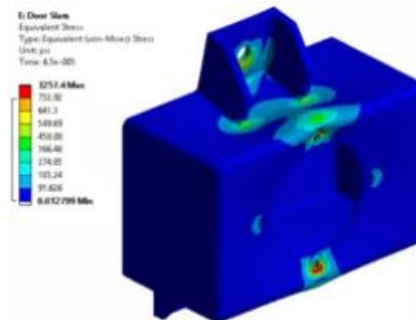
Application

Drop Test Simulation of a PC Board



Application

Vibration Analysis of a Door Speaker Enclosure

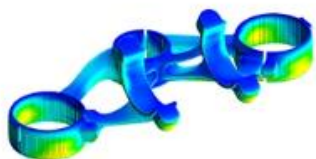


Application

结构 | 增材制造

Overview Live Sessions Tips & Tricks Q&A

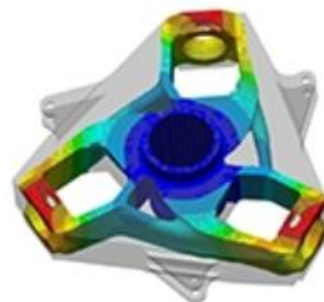
Learning Paths



Introduction to ANSYS
Additive Print



ANSYS Mechanical Topology
Optimization



ANSYS Mechanical Workbench Additive

Blogs

Some Example Models will be uploaded in the coming weeks. Watch this section to stay up to date.

- **Topology Optimization for a Thermal Analysis**

Topology Optimization is available for a steady state thermal system starting in ANSYS Mechanical 19.2...[Read the blog](#)

- **An overview of the additive manufacturing capabilities within ANSYS**

The article published in the Metal AM Magazine (Autumn 2018) with the title "Metal Additive Manufacturing: A Simulation Provider's Perspective" provides a good overview of the capabilities within ANSYS...[Read the blog](#)

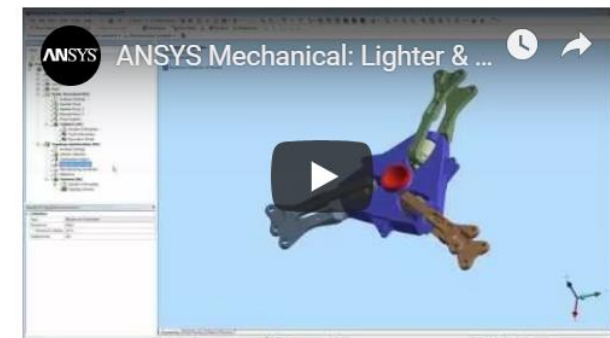
- **Setting up a Direct Energy Deposition (DED) analysis in Workbench Additive**

This non-default analysis type can be setup using a command snippet in Workbench Mechanical...[Read the blog](#)

- **Using "Build Orientation" as a parametric input in Workbench Additive**

Studying the best orientation for supports can be an important aspect of building successful parts in Workbench Additive...[Read the blog](#)

How-To Videos



流体前处理

Overview Live Sessions Tips & Tricks Subject Q & A

Learning Paths



Introduction to ANSYS
SpaceClaim Direct
Modeler for CFD
Users



Introduction to
ANSYS
DesignModeler



Introduction to ANSYS
Meshing



ANSYS Fluent Meshing
with Watright Geometry
Workflow



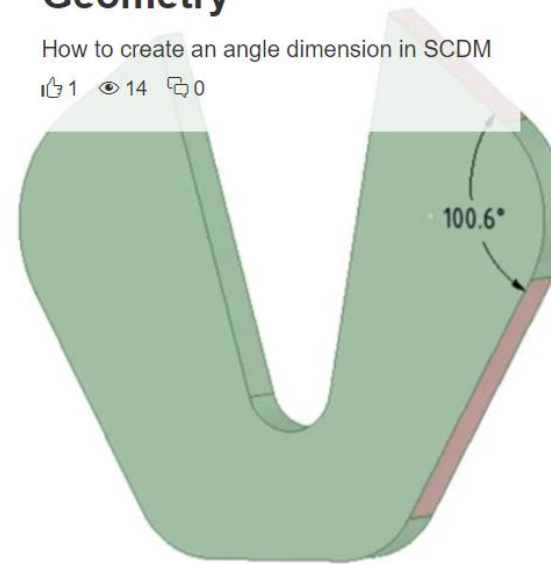
Introduction to
ANSYS ICEM CFD

How-To Videos

Geometry

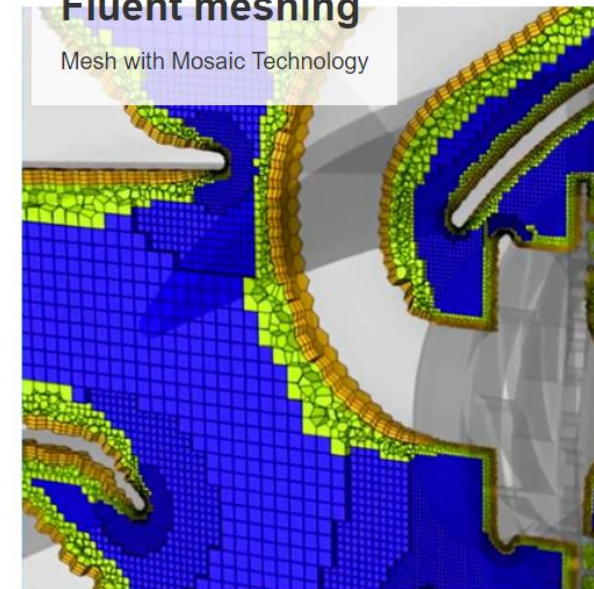
How to create an angle dimension in SCDM

1 14 0



Fluent meshing

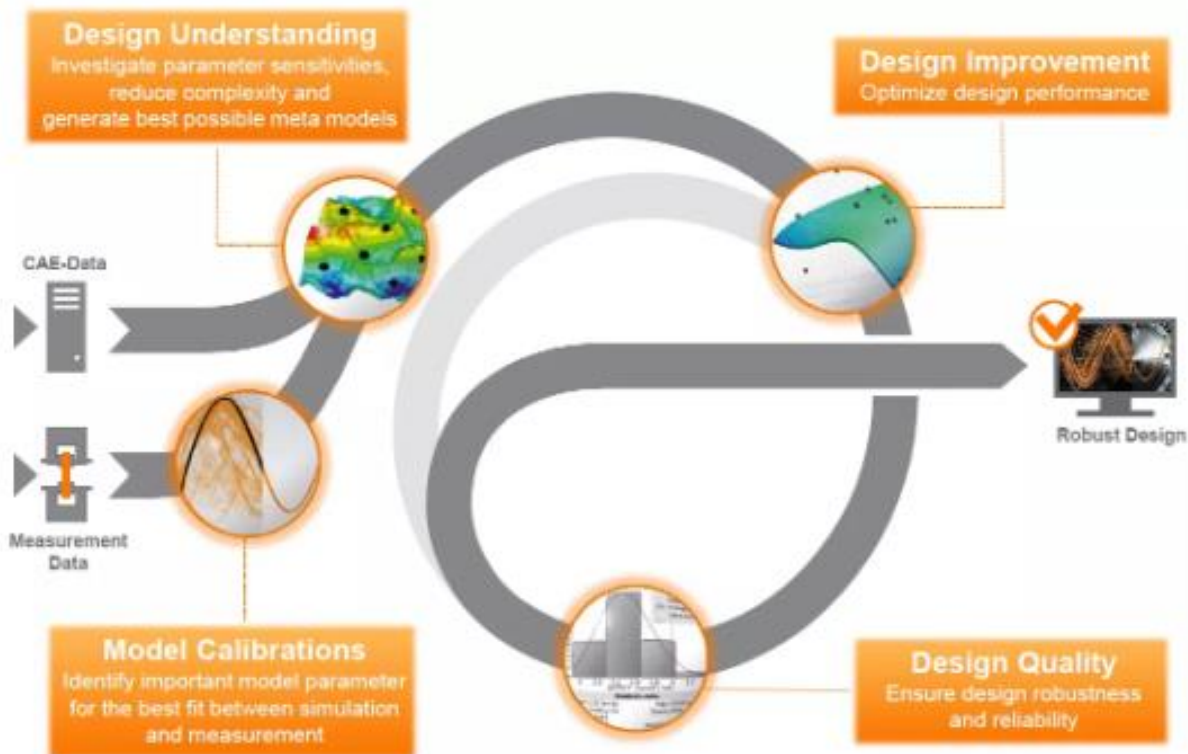
Mesh with Mosaic Technology



ANSYS optiSLang

Overview Live Sessions Applications Q&A

Learning Paths

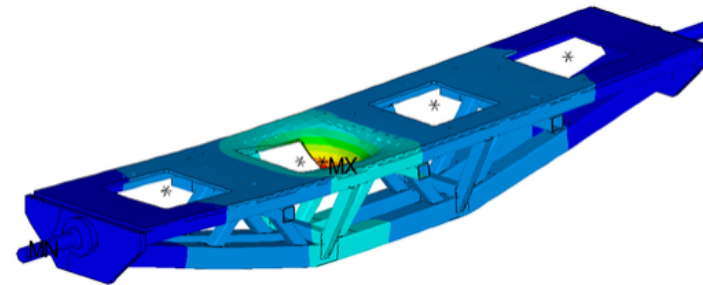


The basics of ANSYS optiSLang

Overview Live Sessions Applications Q&A

Introduction

The Applications page offers example problems that illustrate the modeling approach for a variety of optiSLang applications. For each application, we show the modeling objectives, approach, assumptions, and trade-offs. Example models and tutorials are included here as well.



Machine Tool Optimization

with ANSYS optiSLang using ANSYS Mechanical inside Workbench

Machine Tool



machine_tool_optimization.pdf

Thomas Most
about 7 months ago
0 16 0



ANSYS EnSight后处理

Overview

Live Sessions

Tips & Tricks

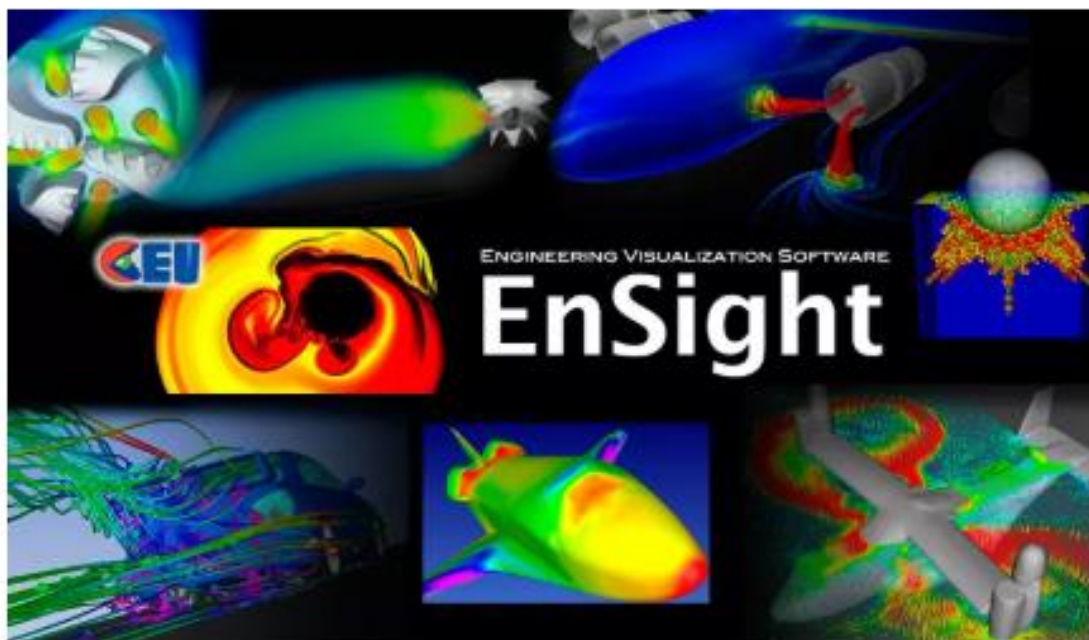
ANSYS EnSight The Basics - Course Overview

Python Scripts

Q&A

Learning Paths

Learning Options



Introduction to ANSYS EnSight - Basics



Self-Paced Course
(Videos)



Course Materials
(For Instructor-Led or Self-Study)