RISAcademy
ON-DEMAND

Description:

Mastering Plate Modeling & Analysis in RISA-3D is a 1.5-hour, on-demand course focused on accurately modeling and analyzing plate elements using FEA tools in RISA-3D. You will learn best practices for plate creation, meshing, and connectivity, along with how to interpret key results like stresses, forces, and deflections. Designed for users familiar with the RISA-3D interface, this course also covers common pitfalls and provides practical strategies for improving model accuracy and efficiency.

Learning Type: Virtual (On-Demand)

Price: $125

Topics Covered:

Proper Modeling Techniques

- Slabs vs. walls vs. diaphragms
- Plate connectivity
- Proper mesh sizing

Plate Meshing Best Practices

- Mesh generation tools
- Overmeshing issues

Interpreting Plate Results

- Membrane forces, moments, shears, deflections, stresses
- Contour plots
- What is the smoothing algorithm?
- How to deal with “hot spots”
- Internal Force Summation Tool

Practical Applications of Plate Models

- Steel plate models
- Concrete plate models
- Wood plate models
- Impact of modeling choices on results

Benefits of Attending:

- Self-Paced, On-Demand Learning
- "Learn by Doing" with Real World Models
- Deep dive into Finite Element Modeling
- Tips for Interpreting Plate Analysis Results

What You Will Learn

Modeling Best Practices

Plate Meshing Techniques

How to Interpret Plate Results

Real-Life Applications