ANSA/META for structures made of laminated composites

webinar sessions

Session 1:

- Introduction to Homogenization tool
- Mean Field Homogenization – Material Models – Solver Material Entities
- RVE Mesh generation – FE Homogenization with EPILYSIS
- Mapping and Homogenizationntroduction
- Introduction to Laminate Tool
- Assigning Laminate properties
- Material orientation
- Layers definition
- Draping
- Drawing representations
- Laminate Convert plugin (from 2D to 3D Models)
- Reporting
- Results mapper
- Solution header (NASTRAN, ABAQUS, output requests)
- Accessing Composite Results in META
- Introduction to Composite Toolbar
- Reading geometry
- Criteria Calculation methods
- Materials setup
- Laminates list
- Read results
- Envelope contour plot
- Query – 2D plots – Material & Results evaluation
- Introduction to EPILYSIS

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Supporting material:

Tutorials

- Setting up laminate models in ANSA

Video tutorials

- Creating a laminate from shell thickness
- Laminated Composites Modeling in ANSA
- How to post-process composite results in META