

Practical Approaches to CAE in Collaborative Design

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Topics

- Intended Audience
- Scope of CAE Tools Discussed in Workflow
- Provide an Overview of Analysis and Test Workflows as Part of a Collaborative Design Process
- Discuss analysis task Categories with CAE Inputs and Outputs
- Practical Methods, Approaches, “Tricks”, and future suggestions for CAE with these tools as part of a workflow will be discussed.
 - Obtaining and using CAD Assembly/Part Data
 - Modeling and Abstraction Process
 - Usefulness of Assembly Geometry with CAE tool
 - Conversion to FEM only data
 - CAE Model Documentation
 - Design Collaboration and Revision
 - Sharing Model Data and Summarizing Results
 - Teamcenter Engineering Conventions and Objects
 - Archival and Sharing of Simulation and Test Data / Large Datasets
- Walk through some CAE examples to understand what gets created and what is most re-“useable”
- Provide examples to consider what gets stored and discuss how it might be done.