ANSA for Tosca Structure

Training	ANSA for Tosca Structure
Duration	(1.5 hours)
Level	Entry
Who should attend	CAE analysts who perform topology, shape and bead optimization tasks.
Training description and objectives	This course introduces the concept of non-parametric optimization. The attendants become familiar with the main functionality of the ANSA task manager and more specifically with the pre-defined tasks for Tosca topology, shape, bead and sizing optimization. Upon course completion, participants will be able to define the necessary pre-processing entities (design area, DV constraints etc.) for Tosca Structure optimization, run the process, view the results and perform the post processing steps that lead to the validation model.
Prerequisites	Participants should have an engineering background. Basic knowledge of ANSA is necessary. Basic optimization knowledge is required for the optimization set-up session..
Suggestions	Course can be combined with the training: – Introduction to preprocessing with ANSA
Language	English, German, Italian *ask for more languages*

BETA CAE Systems International AG

D4 Business Village Luzern, Platz 4   T +41 415453650   ansa@beta-cae.com
CH-6039 Root D4, Switzerland   F +41 415453651   www.beta-cae.com

Suggested topics
Day 1

– Introduction to reduced ANSA-TOSCA interface
– Prerequisites for Tosca call through ANSA
– Pre-processing, run and post-processing definition for :
  • Topology optimization
  • Shape optimization
  • Bead optimization
  • Sizing optimization
 	
with TOSCA structure task

Course content is subject to change without notice.
Course content may be adjusted to audience requirements or background.