



# ABAQUS for CATIA V5 Tutorials

*Nader Zamani & Shurva Das*

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ABAQUS for CATIA (AFC), the software tool, uses the powerful pre- and post- processing capability of CATIA V5 to set up problems for solution using the versatile FEA solver, ABAQUS.

Currently, AFC is Capable of solving problems involving linear and non linear static as well as thermal analyses. This tutorial book uses a step-by-step approach to uncover the different capabilities of AFC for the user. The chapters cover a Wide variety of Topics and are arranged in a way such that the user of this text can start with simpler linear analyses and slowly get into more complex problems such as those involving non-linear analyses, multi-step analyses, temperature dependent behavior, composite materials, contact problems, hybrid elements, etc.

The authors expect the user of this book to have some prior knowledge of CATIA and after going through these tutorials someone who starts as a first-time user of AFC can become an expert user of all the features of this tool.

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