



# CATIA V5 Tutorials Mechanism Design & Animation

*Nader G. Zamani, Jonathan M. Weaver*

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This book of tutorials is intended as a training guide for those who have a basic familiarity with part and assembly modeling in CATIA V5 Release 16 wishing to create and simulate the motion of mechanisms within CATIA Digital Mock Up (DMU).

The tutorials are written so as to provide a hands-on look at the process of creating an assembly, developing the assembly into a mechanism, and simulating the motion of the mechanism in accordance with some time based inputs. The processes of generating movie files and plots of the kinematic results are covered. The majority of the common joint types are covered. Students majoring in engineering/technology, designers using CATIA V5 in industry, and practicing engineers can easily follow the book and develop a sound yet practical understanding of simulating mechanisms in DMU.

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