

# Advanced dynamics: analytical and numerical calculations with MATLAB

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Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20410757&lokasi=lokal>

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## Abstrak

This book provides a thorough, rigorous presentation of kinematics and dynamics while using MATLAB as an integrated tool to solve problems. Topics presented are explained thoroughly and directly, allowing fundamental principles to emerge through applications from areas such as multibody systems, robotics, spacecraft and design of complex mechanical devices. This book differs from others in that it uses symbolic MATLAB for both theory and applications. Special attention is given to solutions that are solved analytically and numerically using MATLAB.