

# **Michael Raba: Mechanical Engineering Portfolio 2025**



# Abstract

This book is a compilation of projects of Michael Raba and can be found at:  
<https://michaelraba.github.io/talks/>



# Table of Contents

Anand Model Viscoelastoplasticity and its Application to Solder Joints . .	1
Multichamber Muffler System: FEA and Simlab Analysis of Toyota Corolla	
Muffler .....	35
Modal Analysis of Turbulent Pipe Flow .....	56

