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VIDEO CONTENTS

The Sixth Edition has a collection of **Master Lecture Videos** and **Tutorials** made by the author over a 31-year period while teaching at Worcester Polytechnic Institute. The lectures were recorded in a classroom in front of students in 2011/2012. Tutorials were done in a recording studio and were intended as supplements to class lectures. There are 37 instructional videos in total. One is a short introduction to the master lecture series and 20 are “50-minute” lectures. Eight are short tutorials and eight are demonstrations of machinery. The run times of all videos are noted in the tables.

The sixth edition is available both as a print book and as digital media. The digital, e-book versions have active links that allow these videos to be run while reading the book. The print edition notes the names and URLs of all the videos in the text at their links.

In addition to the lecture videos, all the digital content that was with the fifth and earlier editions is still available as downloads, including the author-written programs **LINKAGES**, **DYNACAM**, and **MATRIX**. An index of all the non-video downloadable files is in the **Downloads Index**. In the digital e-book versions, these are hotlinked to the text. The URL of each video is also provided for print-book readers to download them.

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LECTURE VIDEOS		<i>(Concatenate this URL with any filename below to run a video)</i>		
Chapter	Lecture	Topic	http://www.designofmachinery.com/MD/	Run Time
1	1	Introduction	01_Introduction.mp4	03:30
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8	21	Finite Element Analysis	21_Finite_Element_Analysis.mp4	52:28

TUTORIAL VIDEOS*(Concatenate this URL with any filename below to run a video)*

Topic	http://www.designofmachinery.com/MD/	Run Time
Bearings	Bearings.mp4	09:11
Bending Stress	Bending_Stress.mp4	05:57
Columns	Columns.mp4	01:52
Failure Modes	Failure_Modes.mp4	09:41
Gears	Gears.mp4	22:07
Springs	Springs.mp4	20:06
Stress Cube	Stress_Cube.mp4	05:04
Torsion	Torsion.mp4	03:13

DEMONSTRATION VIDEOS*(Concatenate this URL with any filename below to run a video)*

Topic	http://www.designofmachinery.com/MD/	Run Time
Boot Testing Machine	Boot_Tester.mp4	19:02
Bottle Printing Machine	Bottle_Printing_Machine.mp4	09:49
Cam Machine	Cam_Machine.mp4	21:28
Fourbar Machine	Fourbar_Machine.mp4	35:38
Pick and Place Mechanism	Pick_and_Place_Mechanism.mp4	36:35
Spring Manufacturing Machinery	Spring_Manufacturing.mp4	12:23
Spring Surge and Spring Failure	Fatigue_Failure.mp4	03:46
Vibration Testing	Vibration_Testing.mp4	05:51

Note that you can download a PDF file containing hyperlinks to all the video content listed in the above tables. This allows print-book readers to easily access the videos without having to type in each URL as noted in the tables. Download the file:

[http://www.designofmachinery.com/MD/Video Links for Machine Design 6ed.pdf](http://www.designofmachinery.com/MD/Video%20Links%20for%20Machine%20Design%206ed.pdf)