A Mathematical Introduction To Robotic Manipulation Solution

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A Mathematical Introduction to Robotic Manipulation
A Mathematical Introduction to Robotic Manipulation presents a mathematical formulation of the kinematics, dynamics, and control of robot manipulators. It uses an elegant set of mathematical tools that emphasizes the geometry of robot motion and allows a large class of robotic manipulation problems to be analyzed within a unified framework.

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R.M. Murray, Z. Li, and S. Sastry, A Mathematical Introduction to Robotic Manipulation, CR Press, 1994. The 1st edition of this book is available freely on-line at the link above, and is perfectly adequate for the course; We will refer to this text as MLS (the initials of the authors last names). While the course topics will follow the text subjects, additional material not in the text will often be presented in class.

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