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2 CHAPTER ONE Problem 1.1 Draw the approximate workspace for the following robot. Assume the dimensions of the base and other parts of the structure of the robot are as shown. Estimated student time to complete: 15-25 minutes Prerequisite knowledge required: Text Section(s) 1.14 Solution: The workspace shown is approximate.

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Details about Introduction to Robotics: Emphasis is placed on design along with analysis and modeling. Kinematics and dynamics are covered extensively in an accessible style. Vision systems are discussed in detail, which is a cutting-edge area in robotics. Engineers will also find a running design project that reinforces the concepts by having them apply what they've learned.

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AN INTRODUCTION TO ROBOTICS: MECHANICAL ASPECTS Pierre DUYSINX and Michel GERADIN University of Liège Novembre 2004

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