

Assignment 4

CSCI-4965/6963: Robot Motion Planning

Due: Monday, October 22, 2001

Assignments are due at the beginning of class on October 11, and are to be done individually. Assignments will be graded on the basis of clarity and legibility. See course syllabus for late submission policy.

1. This is a reading assignment, and you are to submit a reading report on the following paper that describes the probabilistic roadmap method. The paper was handed out in class earlier.
L. E. Kavraki, P. Švestka, J.-C. Latombe, and M. H. Overmars, "Probabilistic Roadmaps for Path Planning in High-Dimensional Configuration Spaces", *IEEE Transactions on Robotics and Automation*, Vol. 12, No. 4, pages 566–580, August 1996.
2. Please follow the instructions in the accompanying sheet, *How to read a research paper* created by Prof. Wes Huang for the Mobile Robotics class. In particular, look at the section **How to write a reading report**. Your reading report may be up to **two** pages in length, and must be written on a computer.