

Lab 4 – Potential Fields Outline

Readings

- Chapter 4 – Reactive Paradigm,
Chapter 5 – Designing a Reactive Implementation (Textbook)
- Lecture – Potential fields, Designing a Reactive Implementation (Slides)

Objectives

- Allow students to build and experiment with basic potential fields on the ER1

Materials

- Evolution Inc. ER1 Robot
- Laptop to run the ER1
- Potential fields toolbox for the ER1 (software)

Estimated time to complete in lab portion: 1.0–1.5 hours