

Lab 4 – Potential Fields Pre-lab Worksheet

1. How well do subsumption and potential fields perform in terms of the 4 criteria for evaluating architectures given in Part I — Overview of the textbook?
2. Define *magnitude profile*. Give one advantage and one disadvantage for each of the three magnitude profiles described in the textbook.
3. Name two problems that commonly occur with potential fields. Name one method that helps to solve both.

4. Define emergent behavior.

5. Define abstract behavior.

6. Draw the steps in designing a reactive behavioral system.