

ACTIVITIES DOCUMENTATION

Written by Henrique Fantini

@ 2018

1 – DUST SWEEPER

The first example in this application is the same seem in the book “Artificial Intelligence modern approac” 3rd editon by Russell and Norvig. We will implement the concept of a dust sweeper from less complex to more complex task environment.

**LEVEL 1**

P.E.A.S TABLE:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| AGENT TYPE | PERFORMANCE MEASURE | ENVIRONMENT | ACTUATORS | SENSORS |
| DUST SWEEPER | HOW CLEAN IS THE ROOM | A SQUARE ROOM IF PREDEFINED POSITIONS (SQUARES) | VACUUM CLEANER, WHEELS | POSITION SENSOR, DUST SENSOR |

ENVIRONMENT CHARACTERISTICS:

- Fully Observable

- Single Agent

- Deterministic

- Episodic

- Dynamic

- Discrete

- Known

AGENT TYPE: GOAL BASED

RESULTS: