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| **University of Southern Denmark – Course AM24** |
| Multi-Agent Systems |
| Planet Exploration |
| **Group 3** |
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| **12-08-2010** |

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# Introduction

A project created for the summer course of AM24 – Multi-Agent Systems, using Madkit and Turtlekit.

# Design

# Base

# Explorer

# Transporter

# Experiments

|  |  |  |
| --- | --- | --- |
| Base Capacity | C | 200 |
| Ore Density | D | 0.05 Uniform distribution |
| RobotEnergy | E | 5000 |
| Grid Size | G | 200x200 |
| Mode | M | Cooperative |
| Number of Bases | N | 1 |
| RobotPerceptionScope | P | 5x5 |
| RobotCommunication Scope | I | 11x11 |
| Robot Memory Size | S | 15 |
| Max Simulation Time | T | 10000 |
| Transporter Ore Capacity | W | 8 |
| Explorer Amount | X | 10 |
| Transporter Amount | Y | 10 |

# Discussion and Further Development

# Conclusion

# Appendix