

Mobile Robots

AUTO4508

Lab Assignment 3 – *Individual* – DistBug Navigation Points: 10

EXPERIMENT 1 (10 points)

Implement the DistBug navigation algorithm.

See original paper at: <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=650160>

```
int DistBug(int x, int y);  
// desired relative goal coord.[mm]; x in rob's forward dir.  
// return true when goal is reached; false if goal unreach.
```

Demonstrate successful driving by navigating through the given obstacle courses.

- The robot always starts in the bottom left corner
- The goal is always in the top right corner

