Final project

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***Abstract*— Keep short-the whole paper shall not exceed the four pages plus reference.**

I. INTRODUCTION

1/2 page

II. ROBOT MODEL

1/2-1 page

III. MOTION PLANNING

1/2-1 page

IV. RESULTS

1 page

V. DISCUSSION

1/2-1 page

VI. EXAMPLES OF EDITING LATEX

A. Equations

$$a = b + c \tag{1}$$

B. Figures

Fig. 1. TUD logo

C. Algorithm

Algorithm 1 What function do algorithms achieve

```
Initialization
for do
    if then
        if then
        end
    end
end
return 1
```

D. table

Path	Cost
1	$\sqrt{21.25}$
2	$\sqrt{145}$
3	$\sqrt{10}$
4	$\sqrt{41}$
5	$3\sqrt{5}$
6	$3\sqrt{10}$
7	$5\sqrt{2}$

TABLE I
DIJKSTRA ALGORITHM

E. Citation

This is an example of citation[1].

REFERENCES

[1] E. W. Dijkstra, "A note on two problems in connexion with graphs," *Numerische Mathematik*, vol. 1, pp. 269–271, 1959.

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Fig. 2. Figure cross the line.