

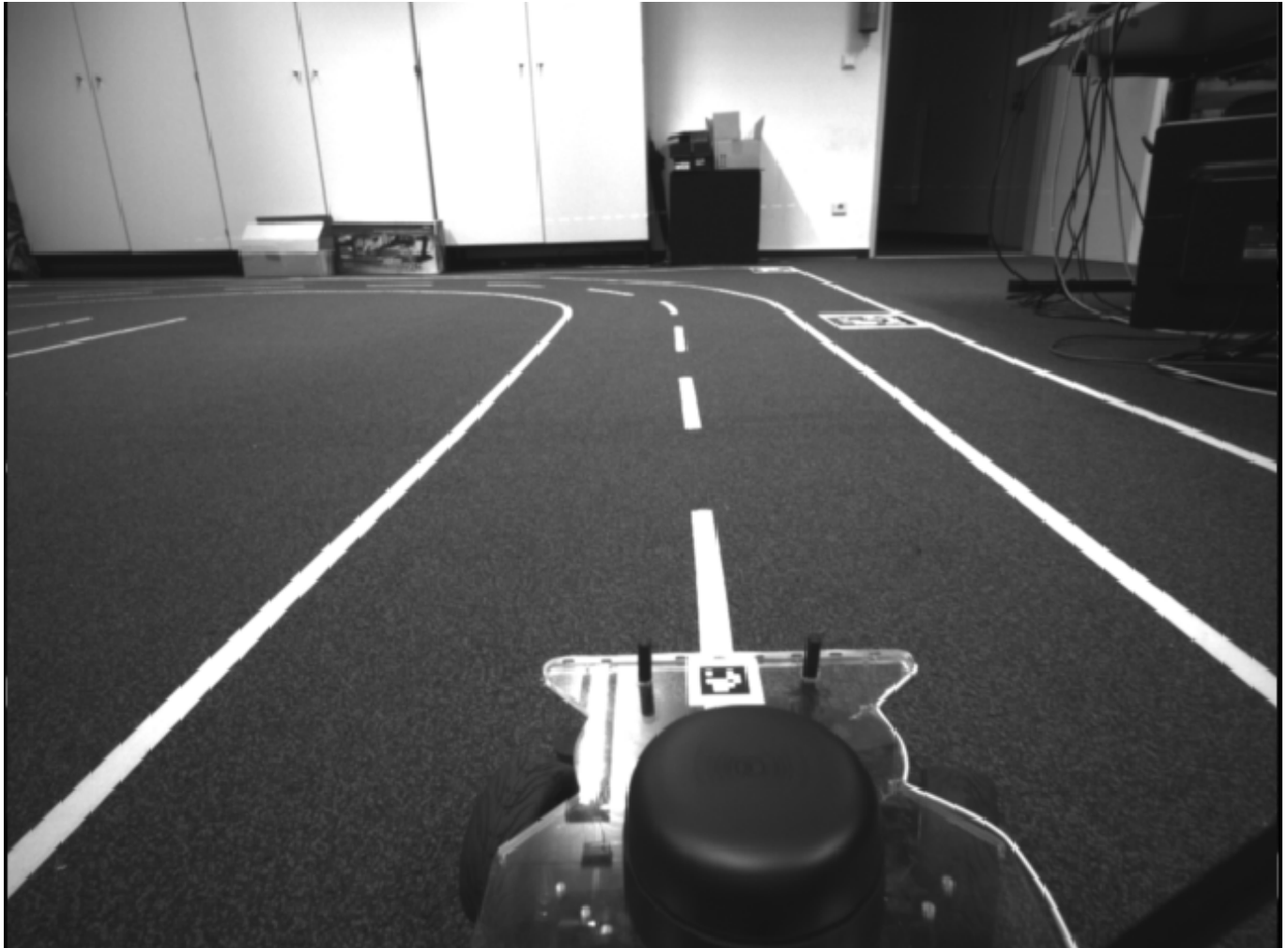
# Assignment 7

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(bearbeitet von Nils Hutmacher und Lorenz Ohly)

## Assignment 7-1: Record a bagfile

Sample image as in bag file:



## Assignment 7-2: Lane segmentation (5 Points)

(code see [segmentation\\_node.py](#))

Thresholded image:



## Assignment 7-3: Getting the line equation (5 Points)

(code see `ransac_node.py` and `ransac.py`)

The following parameters for RANSAC were used:

- iterations: 100
- threshold for loss (must be lower to count as inlier): 400
- percentage of inliers to accept parameters: 50%

Reproduce with:

```
roslaunch infrared_infrared_node.py
python segmentation_node.py
python ransac_node.py 100 400 ".5"
```

Output:

