



# **Master's Thesis**

in **Applied Computer Science in the Natural Sciences**

University of Bielefeld

Faculty of Technology

**Methods for  
Range Estimation and Situation  
Recognition  
using an Omnidirectional Vision System  
for Mobile Robots**

—

**Symmetry as a Natural Feature**

by

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(Matriculation number: 1285086)

November 2001

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I hereby declare that I have done this work completely on my own and with no other help and resources than mentioned in the acknowledgements and references.

Bielefeld, November 16, 2001

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