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# MACHINE VISION SYSTEM FOR MOBILE ROBOT NAVIGATION

Ren Shufeng

rsf45355382@gmail.com

Bauman Moscow State Technical University, Moscow, Russian Federation

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## Abstract

We solve the problem of positioning a mobile robot based on the information from the machine vision system. Three reference points with known coordinates form the basis for computing the mobile robot's position, and the machine vision system determines current directions towards those points. We analysed the coordinate measurement error for the method we describe and suggest a solution to the problem of selecting the reference point combination

## Keywords

Mobile robot, robot navigation, reference point, machine vision system, coordinate measurement error

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**Ren Shufeng** — graduate student, Department of Robotics and Mechatronics, Bauman Moscow State Technical University, Moscow, Russian Federation.

**Scientific advisor** — B.B. Mikhaylov, Cand. Sc. (Eng.), Assoc. Professor, Department of Robotics and Mechatronics, Bauman Moscow State Technical University, Moscow, Russian Federation.

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