Developing A Mobile Robot Simulator Platform To Test Control Applications

C.S.D.A Weerasiriwardhane¹, K.A.K.T Siriwardhane², V.P.C Dassanayake³

Abstract

Most people are interested in building robots yet few try to simulate them in a computer to test and analyse the behaviours of robots prior to actually testing them physically. Our objective is to promote robot simulation and produce a tool that can aid in testing the robot control algorithms easier than testing on real robots, and record behavioural data of the robot more comprehensively. More emphasis is given to reducing variants caused by slip and friction to obtain more realistic results.
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