¹footnoteinfo]Trabalho financiado em parte pelo CNPq e em parte pela FAPES - Fundação de Amparo à Pesquisa e Inovação do Espírito Santo.

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Abstract

A motion planner is proposed to guide a wheeled mobile robot from initial to final positions. A conventional RRT (Rapidly-exploring Random Tree) algorithm is used for global planning, generating a non-optimal path for the entire route. Additionally, a second RRT algorithm is executed locally within a