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8-15-2012

Mechanism State Matrices for Spatial Reconfigurable Mechanisms

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DETC2012-71361

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Abstract

This paper improves augmented mechanism state matrices by replacing joint code with screw system notation. The proposed substitution allows for a more specific description of the joints in the mechanism and the capability to describe both spatial and planar mechanisms. Examples are provided which elucidate the proposed approach.

Session: MR-1-7 Deployable and Reconfigurable Mechanisms