

Motion of a Rigid Body under Random Perturbation

Ming Liao, *Auburn University, USA*
Longmin Wang, *Nankai University, P. R. China*

Abstract

We use stochastic analysis to study the random motion of a rigid body under a white noise perturbation. We obtain a formula for the angular velocity in an average sense and discuss the stability near a principle axis.

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Pages: 235-243

Published on: December 13, 2005

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