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Feedback Control of Two Beam, Two Joint Systems With Distributed Flexibility

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ARTICLE

Abstract

The control of the flexible motion in a plane of two pinned beams is addressed with application remote manipulators. Three types of linear feedback control schemes are considered: joint angle a velocity feedback with (GRC) and without (IJC) cross joint feedback, and feedback of flexible st variables (FFC). Two models of the distributed flexibility are presented along with some res obtained from them. The relative merit of the three control schemes is discussed.

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