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Synchronization of a Perturbed Satellite Attitude Motion using Active Sliding Mode Controller

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Abstract : In this paper, the design procedure of the active sliding mode controller which is a combination of the active controller and the sliding mode controller is given first and then the problem of synchronization of two satellites systems is discussed for the proposed method. Finally, numerical results are presented to evaluate the robustness and effectiveness of the proposed control strategy.

Keywords : active control, sliding mode control, synchronization, satellite attitude
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