Control Techniques for Chaotic, Dynamical Systems

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Abstract: The recent interest in the area of the control of chaos is remarked and the various approaches to this problem presented in the literature are briefly summarized. The Harmonic Balance (HB) technique for the approximate analysis of systems with complex behaviour is outlined and the general idea of using this technique for control problems is proposed. Two possible approaches are indicated to show the flexibility of the method, the clearness of the required conditions and the simplicity of the solutions to be expected.

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AMS Subject Classification: