



**THE SET OF BIFURCATION OF ENERGY AND THE
MOMENT OF HARMONIC OSCILLATOR**

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Received November 26, 2010

Abstract

In this article, we study the set of bifurcation of the energy, in \mathbb{R}^4 , and the set of bifurcation for the moment of oscillator. In this article, we prove that the 2 sets are equal to zero.

Keywords and phrases: maximal monotone operator, self synchronization, differential phase equations, bifurcation, symplectic manifold.

