DYNAMICS OF A REAL TRIPLE PENDULUM - MODELING AND EXPERIMENTAL OBSERVATION

J. Awrejcewicz, G. Kudra (Technical University of Łódź, Poland)

Nonlinear dynamics of a real plane and periodically forced triple pendulum is investigated by experimentally and numerically. Mathematical modeling includes details taking into account some characteristic features as well as some imperfections of the real system. Parameters of the model are obtain by estimation from the experimental data. Then the experimental and numerical analysis of the system performed.

rat Us stu

res

Se