

**Marszal, Michal; Jankowski, Krzysztof; Perlikowski, Przemyslaw; Kapitaniak, Tomasz**  
**Bifurcations of oscillatory and rotational solutions of double pendulum with parametric vertical excitation.** (English) [Zbl 1407.70004](#)  
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Summary: This paper investigates dynamics of double pendulum subjected to vertical parametric kinematic excitation. It includes detailed bifurcation diagrams in two-parameter space (excitation's frequency and amplitude) for both oscillations and rotations in the domain of periodic solutions.

**MSC:**

[70E15](#) Free motion of a rigid body  
[70K50](#) Bifurcations and instability for nonlinear problems in mechanics

Cited in 1 Document

**Software:**

[AUTO](#); [AUTO-07P](#); [Dynamics](#); [GSL](#)

**Full Text:** [DOI](#)

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