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Stability and bifurcations of limit cycles by the perturbation-incremental method. (English)

Zbl 1235.34093

J. Sound Vib. 206, No. 4, 589-604 (1997).

Summary: The perturbation-incremental method is applied to the study of stability bifurcations of limit cycles and homoclinic (heteroclinic) bifurcations of strongly non-linear oscillators. The bifurcation parameters can be determined to any desired degree of accuracy.

MSC:

34C05 Topological structure of integral curves, singular points, limit cycles of ordinary differential equations

Cited in **5** Documents

34C23 Bifurcation theory for ordinary differential equations

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