BEST LOWER BOUND FOR THE NUMBER OF CRITICAL PERIODS IN PLANAR CENTERS

Joan Torregrosa

Universitat Autònoma de Barcelona, Bellaterra, Catalonia, Spain joan.torregrosa@uab.cat

We provide the best lower bound for the number of critical periods of a planar polynomial centers. The new lower bound is obtained in the Hamiltonian class and considering only one period annulus.

Joint work with Peter De Maesschalck.