

Название публикации:

Asymptotics of Oscillating Solutions to Equations with Power Nonlinearities

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Аннотация:

We present results on the existence of oscillating solutions of specific form (“quasiperiodic solutions”) for a nonlinear differential equation with power nonlinearity. For oscillating solutions to third-order equations of this type, we obtain an asymptotics of extremums, which is expressed through the asymptotics of extremums of a “quasiperiodic” solution. These results clarify the asymptotic formulas for the modules of extremums of solutions obtained by the author earlier. © 2018, Springer Science+Business Media, LLC, part of Springer Nature.