

**Bartušek, M.; Osička, J.**

**Asymptotic behaviour of oscillatory solutions of a fourth-order nonlinear differential equation.** (English) [Zbl 1015.34019](#)

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Summary: Asymptotic behaviour of oscillatory solutions to the fourth-order nonlinear differential equation with quasiderivates  $y^{[4]} + r(t)f(y) = 0$  is studied.

**MSC:**

**34C10** Oscillation theory, zeros, disconjugacy and comparison theory for ordinary differential equations

**34D05** Asymptotic properties of solutions to ordinary differential equations

**Keywords:**

[oscillatory solution](#); [fourth-order differential equation](#)

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