

**Marić, V.; Tomić, M.**

**Slowly varying solutions of second-order linear differential equations.** (English)

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Publ. Inst. Math., Nouv. Sér. 58(72), 129-136 (1995).

The author investigates the asymptotic behavior for  $x \rightarrow \infty$  of slowly varying solutions  $y(x)$  (in the sense of Karamata) to the equation

$$y'' - f(x)y(x) = 0.$$

The results are determined under less restrictive conditions than known before.

Reviewer: Julka Miljanović-Knežević (Beograd)

**MSC:**

**34E05** Asymptotic expansions of solutions to ordinary differential equations

**26A12** Rate of growth of functions, orders of infinity, slowly varying functions

Cited in **2** Documents

**Keywords:**

second-order linear differential equation; asymptotic behaviour of the solution

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