

Takaši, Kusano; Marić, Vojislav**Regularly varying solutions of perturbed Euler differential equations and related functional differential equations.** (English) [Zbl 1299.34174](#)

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Summary: An asymptotic analysis in the framework of Karamata regularly varying functions is performed for the solutions of second-order linear differential and functional differential equations in the critical case i.e., when the condition $\lim_{t \rightarrow \infty} t \int_t^\infty q(s) ds = \frac{1}{4}$ holds.

MSC:

- [34D05](#) Asymptotic properties of solutions to ordinary differential equations
- [34C11](#) Growth and boundedness of solutions to ordinary differential equations
- [34A30](#) Linear ordinary differential equations and systems
- [34K06](#) Linear functional-differential equations

Cited in **3** Documents**Keywords:**[Karamata](#)**Full Text:** [DOI](#)