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**Periodic solutions for a kind of Rayleigh equation with a deviating argument.** (English)

Zbl 1073.34081
Appl. Math. Lett. 17, No. 4, 443-449 (2004).

The present paper is concerned with the existence of periodic solutions for the following Rayleigh delay equation

$$x''(t) + f(x'(t)) + g(x(t - \tau(t))) = p(t)$$

by Mawhin's coincidence degree theory. Sufficient conditions are given. An example is provided.

Reviewer: Yuan Rong (Beijing)

**MSC:**

34K13 Periodic solutions to functional-differential equations



**Keywords:**

periodic solution; coincidence degree theory; deviating argument

**Full Text:** DOI

**References:**

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