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Periodic solutions of a nonlinear second-order differential equation with deviating argument.

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By means of the coincidence degree continuation theorem, the authors study the existence of the periodic solutions of a nonlinear second-order differential equation with deviating argument

$$x''(t) + f_1(x(t))x'(t) + f_2(x(t))(x'(t))^2 + g(x(t - \tau(t))) = 0,$$

and obtains some interesting results.

Reviewer: [Xianhua Tang \(Changsha\)](#)

MSC:

34K13 Periodic solutions to functional-differential equations

Cited in **4** Documents

Keywords:

[periodic solutions](#); [coincidence degree continuation theorem](#); [difference equation](#); [deviating argument](#)

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