

[Li, Yongxiang](#)

**Positive periodic solutions of first and second order ordinary differential equations.** (English)

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The paper deals with the existence of positive  $\omega$ -periodic solutions of the second-order differential equation

$$-u''(t) = f(t, u(t)), \quad t \in \mathbb{R},$$

as well as first-order ordinary differential equations. The main tool is the fixed-point index theory in cones.

Reviewer: [Emil Minchev \(Tokyo\)](#)

**MSC:**

[34C25](#) Periodic solutions to ordinary differential equations

[47H10](#) Fixed-point theorems

[34B18](#) Positive solutions to nonlinear boundary value problems for ordinary differential equations

Cited in **1** Review  
Cited in **16** Documents

**Keywords:**

[positive periodic solution](#); [cone](#); [fixed-point index](#)

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**References:**

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