

## 二阶非线性带有阻尼项微分方程的一个振荡定理

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### Oscillation Theorem for Nolinear Second Order Differential Equations with Damping

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摘要 在这篇文章中, 利用Riccati变换和积分不等式, 对非线性带有阻尼项微分方程, 我们给出了一个新的振荡解的判别准则. 特别是我们给出的判别准则是比较宽的.

关键词: [非线性微分方程](#) [阻尼项](#) [振荡准则](#) [Riccati变换](#)

Abstract: This paper concerns the oscillation criteria for the nonlinear differential equation with damping term. By using Riccati transformation and integral inequality, we give a new wide oscillation criteria. In particular, we give a criterion conditionis relatively wide.

Key words: [nonlinear differential equations](#) [damping](#) [oscillation criteria](#) [Riccati's transformation](#)

收稿日期: 2007-03-01;

基金资助: 国家自然科学基金(10771166)资助项目.

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引用本文:

商妮娜, 秦惠增. 二阶非线性带有阻尼项微分方程的一个振荡定理[J]. 应用数学学报, 2012, (1): 121-129.

SHANG Nina, QIN Huizeng. Oscillation Theorem for Nolinear Second Order Differential Equations with Damping[J]. Acta Mathematicae Applicatae Sinica, 2012, (1): 121-129.

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