Turkish Journal of Mathematics

Turkish Journal

of

Mathematics

Keywords Authors



math@tubitak.gov.tr

Scientific Journals Home Page Oscillation Criteria for Second Order Nonlinear Differential Equations with Damping

Aydin TİRYAKİ Department of Mathematics, Hacettepe University, 06532 Beytepe, Ankara-TURKEY, e-mail: tiryaki@eti.cc.hun.edu.tr and Ağacık ZAFER Department of Mathematics, Middle East Technical University, 06531 Ankara, TURKEY, e-mail: zafer@math.metu.edu.tr

<u>Abstract:</u> Oscillation criteria are given for second order nonlinear differential equations with damping of the form $(a(t) \psi(x) \cdot dot x) \cdot dot {} + p(t) \cdot dot x + q(t) f(x) = 0, \quad t \neq 0, \quad$

Key Words: Oscillation, averaging, damping, Riccati substitution, second order.

Turk. J. Math., **24**, (2000), 185-196. Full text: <u>pdf</u> Other articles published in the same issue: <u>Turk. J. Math.,vol.24,iss.2</u>.