Title: Asymptotic properties of the second order neutral differential equations

Author(s): Jozef Džurina and Dáša Lacková

Sufficient conditions for the nonoscillatory solutions of

\[
\left(r(t)\psi(x(t))[x(t) - p(t)x(\tau(t))]' \right)' + q(t)f(x[\sigma(t)]) = 0
\]

to vanish in infinity are presented. The obtained results extend and improve various oscillatory criteria.

Address:

Jozef Džurina
Department of Mathematics
Faculty of Electrical Engineering and Informatics
Technical University
B. Němcovej 32
042 00 Košice
Slovakia
\textit{E-mail:} jozef.dzurina@tuke.sk

Address:

Dáša Lacková
Department of Applied Mathematics and Business Informatics
Faculty of Economics
Technical University
B. Němcovej 32
042 00 Košice
Slovakia
\textit{E-mail:} dasa.lackova@tuke.sk