

Limit-point/limit-circle problem for quasilinear second order equations with damping

Miroslav Bartušek

Department of Mathematics and Statistics, Masaryk University, Czech Republic

bartusek@math.muni.cz

In the lecture sufficient conditions for the equation $(a(t)|y'|^{p-1}y')' + b(t)|y'|^{q-1}y' + r(t)|y|^{\lambda-1}y = 0$ to be of the limit-point/limit-circle type are given where p , q and λ are positive numbers and $r > 0$.