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Abstracts of Short Communications and Posters

Section:

9. Ordinary Differential Equations and Dynamical Systems

1991 MS Classification: 34B

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Nonlinear Sturm type theorems

Two nontrivial solutions of a second order nonlinear equation

$$x'' + f(t, x, x') = 0$$

are considered. Zero separation results are presented in terms of corresponding equations of variations. Classical Sturm theorem for linear equations is included.