

Nowak, Chr.; Stettner, H.

Nonuniqueness results for ordinary differential equations. (English) Zbl 0887.34003
Nonlinear Anal., Theory Methods Appl. 30, No. 6, 3935-3938 (1997).

Summary: We investigate the problem of nonuniqueness for the initial value problem $\dot{x} = f(t, x)$, $x(t_0) = x_0$, and analyze criteria for the existence of at least two different solutions. Some known conditions for nonuniqueness are revised.

MSC:

34A12 Initial value problems, existence, uniqueness, continuous dependence and continuation of solutions to ordinary differential equations Cited in 1 Document

Keywords:

nonuniqueness; initial value problem

Full Text: [DOI](#)

References:

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