论文

A NEW PROOF OF THE HADAMARD MONODROMY THEOREM AND THE PERRIODIC SOLUTION FOR A CLASS OF O.D.E. SYSTEMS AT RESONANCE

Li Shujie(1), Feng Dexing(2)

(1)Institute of Mathematics, Academia Sinica, Beijing, China; (2)Institute of Systems Science, Academia Sinica, Beijing, China

收稿日期   修回日期   网络版发布日期   接受日期

摘要   Early in 1904, Hadamard [1] showed the scale implicit function theorem of finite dimensions. Then it was generalized to infinite dimensions. In this paper a new proof of this theorem is given and the unique existence of the periodic solutions for aclass of ordinary differential equation systems at resonance is obtained.

关键词   Hadamard monodromy theorem, periodic sol

分类号

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Key words   Hadamard monodromy theorem   periodic solution   nonlinear analysis

DOI:

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- Li Shujie
- Feng Dexing