论文

NON-EXISTENCE OF SINGULAR CYCLES IN AQUADRIC DIFFERENTIAL SYSTEM WITH FINE FOCUS OF ORDER THREE

LU Gang, LIANG Zhaojun

Deportment of Mathematics, Huazhong Normal Universitg, Wuhan 430070, China

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摘要 The problem of existence or non-existence of singular cycles (or komoclinic loops and keteroclinic cycles as being termed in the modern literature of nonlinear dyndric systems) is one of the most important subjects in the study of quadratic differential systems. In this paperl we prove that there edest no singular cycles either connecting finite singular points or connecting singular points at infinity for a quadratic differential system with fine focus of order three.

关键词 Homodinic, heteroclinic, centre-focus cr

分类号

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Key words Homodinic heteroclinic centre-focus criterion singular cycles

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通讯作者

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- LU Gang
- LIANG Zhaojun