BIFURCATION OF LIMIT CYCLES FOR THE QUADRATIC DIFFERENTIAL SYSTEM (Ⅲ)l = n = O

张祥

摘要　　In this paper we will prove that limit cycles for the quadratic differential system (Ⅲ)l=n=o in Chinese classification are concentratedly distributed, and that the maximum number of limit cycles around O(0,0) is at least two.

关键词　　Quadratic system, limit cycle

分类号

BIFURCATION OF LIMIT CYCLES FOR THE QUADRATIC DIFFERENTIAL SYSTEM (Ⅲ)l = n = 0

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Abstract　In this paper we will prove that limit cycles for the quadratic differential system (Ⅲ)l=n=o in Chinese classification are concentratedly distributed, and that the maximum number of limit cycles around O(0,0) is at least two.

Key words　Quadratic system　limit cycle　bifurcation

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