

论文

PERIODIC SOLUTIONS OF THE JOSEPHSON EQUATION

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收稿日期 修回日期 网络版发布日期 接受日期

摘要 In this paper, the Josephson equation and its autonomous case are considered. It is shown that for $|\alpha| < 1$ and $\beta > \gamma > 1$ or $\beta < \gamma < -1$, there is no periodic solution of the autonomous Josephson equation, For the nonautonomous case, some sufficient conditions for the existence of periodic solutions are given.

关键词 [Josephson equation, periodic solutions,](#)

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Key words [Josephson equation](#) [periodic solutions](#) [Brouwer's theorem](#) [saddle point](#) [stable node or focus](#) [unsta](#)

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