

论文

关于变系数线性方程的稳定性

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摘要 本文给出了变系数线性方程有关稳定性的一些简洁的判据. 对周期系数线性方程, 给出了较为精确的渐近稳定性判据. 从理论上解释了原先“冻结系数法”一般不能成立的原因.

关键词 [变系数线性方程](#) [稳定性](#) [冻结系数方程](#)

分类号

ON THE STABILITY OF LINEAR EQUATION WITH VARYING COEFFICIENTS

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Abstract in this paper, first, the stability of the linear equation with varying coefficients is investigated. Some simple criteria of stability are given. Secondly, for the linear equation with periodic coefficients one of the more exact criteria of asymptotic stability is given. Finally, the reason for the appearance of two kinds of results concerning the method of coefficient freezing is explained.

Key words [Linear equation with varying coefficients stability](#) [exponential asymptotic stability equation with c](#)

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