

## 椭圆型方程奇摄动问题的广义解

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收稿日期 2005-4-15 修回日期 2006-8-31 网络版发布日期 2008-3-27 接受日期

**摘要** 讨论了一类奇摄动椭圆型方程边值问题.在适当的条件下,研究了问题广义解的存在、唯一性及其渐近性态.

**关键词** [椭圆型方程,奇异摄动,广义解.](#)

**分类号** [35B25, 35J60](#)

## Generalized Solution of Singularly Perturbed Problems for Elliptic Equation

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**Abstract** The singularly perturbed boundary value problems for elliptic equation are considered. Under suitable conditions the existence, uniqueness and asymptotic behavior of the generalized solution for the problems are studied.

**Key words** [Elliptic equation](#) [singular perturbation](#) [generalized solution.](#)

DOI:

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