论文

BOUNDARY LAYER ESTIMATION OF NONLINEAR ELLIPTIC EQUATION

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关键词 Nonlinear singular perturbation, boundar

分类号

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Abstract In this paper, we consider the nonlinear elliptic equation... The limit problem is $|u|^s = f$ on Omega, where 04; and s>0, for $n\leq 4$. Let d(x,Gamma) be the distance from x to Omega, let Omega denote the measure of Omega, and let... When $u\in H^2(Omega) + 0^2(Omega)$, we have the boundary layer estimates for problem... For the nonlinear elliptic singularity perturbation problem of second order, we obtain a similar conclusion.

Key words Nonlinear singular perturbation boundary layer estimation Tartar's inequality

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