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**ON STRONG SOLVABILITY OF DIRICHLET  
PROBLEM FOR NON-UNIFORMLY DEGENERATE  
ELLIPTIC EQUATIONS OF SECOND ORDER**

**Abstract**

*The Dirichlet problem is considered for non-uniformly degenerate second order elliptic equations of divergent structure. The basic coercive inequality is proved and the conditions under which this problem is strongly solvable in Sobolev anisotropic weight space are found.*