Abstract

We shall prove the limiting regularity $W_{0}^{1, \frac{N(p-1)}{N-1}}(\Omega)$ of solutions of some nonlinear elliptic problems with right hand side in $L\log^{\alpha}L(\Omega)$ and $\alpha \geq \frac{N-1}{N}$. Also, an improved regularity is given when $\alpha < \frac{N-1}{N}$. 