

Second order regularity of elliptic-parabolic equations involving p -Laplacian

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By bulding up a fundamental inequality for the algebraic structure of $\Delta u \Delta_\infty u$, where Δ is the Laplacian and Δ_∞ is the ∞ -Laplacian. We developed an approach the prove some second order regularity for elliptic-parabolic equations involving p -Laplacian in several setting.