

# Gradient estimates for an orthotropic nonlinear diffusion equation

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## Talk Abstract

We consider a quasilinear degenerate parabolic equation driven by the orthotropic  $p$ -Laplacian. We prove that local weak solutions are locally Lipschitz continuous in the spatial variable, uniformly in time.

**Keywords:** Degenerate parabolic equations, Lipschitz continuity, anisotropic operators.

## References

- [1] Bousquet P., Brasco L., Leone C., Verde A., Gradient estimates for an orthotropic nonlinear diffusion equation, *Adv. Calc. Var.*, 2021, in press.