

**Improved Moduli of Continuity for Degenerate Phase Transitions**

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We substantially improve in two scenarios the current state-of-the-art modulus of continuity for weak solutions to the  $N$ -dimensional, two-phase Stefan problem featuring a  $p$ -degenerate diffusion: for  $p=N \geq 3$ , we sharpen it to

$\omega(r) \approx \exp(-c |\ln r|^{\frac{1}{N}})$ ; for  $p > \max\{2, N\}$ , we derive an unexpected Hölder modulus. The talk is based on a joint work with Ugo Gianazza (Pavia) and Naian Liao (Salzburg).