

Regularity in diffusion models with gradient activation

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This talk discusses regularity estimates for solutions of highly degenerate fully nonlinear elliptic equations, where a nonlinear diffusion process drives the system only in the region where the gradient surpasses a given threshold. This is joint work with Aelson Sobral, KAUST - Saudi Arabia, Rafael Santos, UFRGS - Brazil, and Eduardo Teixeira, University of Central Florida - USA.

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