Sharp regularity for singular and degenerate pdes

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We provide a broad overview of qualitative versus quantitative regularity estimates in the theory of singular and degenerate parabolic pdes. The former relates to the method of intrinsic scaling, while the latter is achieved by means of geometric tangential analysis. We discuss, in particular, sharp estimates for the Stefan problem, the parabolic *p*-Poisson equation, the porous medium equation and Trudinger's equation.