Pavol Quittner On global existence and stationary solutions for two classes of semilinear parabolic problems

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Abstract: We investigate stationary solutions and asymptotic behaviour of solutions of two boundary value problems for semilinear parabolic equations. These equations involve both blow up and damping terms and they were studied by several authors. Our main goal is to fill some gaps in these studies.

Keywords: global existence, blow up, semilinear parabolic equation, stationary solution **AMS Subject Classification:** 35K60, 35J65, 35B40