

bounded domains

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We study the homogeneous Dirichlet problem for the doubly nonlinear equation $u_t = Delta_p u^m$, where p>1, m>0 posed in a bounded domain in R^N with homogeneous boundary conditions and with non-negative and integrable data. In this paper we consider the degenerate case m(p-1)>1 and the quasilinear case m(p-1)=1. We establish the large-time behaviour by proving the uniform convergence to a unique asymptotic profile and we also give rates for this convergence.

Asymptotic behaviour of the doubly

nonlinear equation \$u_t=A_p u^m\$ on

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