

A. V. Babin, M. I. Vishik. **On the behavior for all $t \geq 0$ of solutions of a hyperbolic equation degenerating into a parabolic one** // Nelinejnye granichnye zadachi (Nonlinear Boundary Value Problems). – 1989. – **1**. – p. 2-7.

For the hyperbolic equation with dissipation

$$\varepsilon \partial_t^2 u + \partial_t u = \Delta u - f(u) - g, \quad u|_{\partial\Omega} = 0$$

the attractor's behavior at $\varepsilon \rightarrow 0$ is investigated. Theorems on the uniform asymptotic on $t \geq 0$ at $\varepsilon \rightarrow 0$ for solutions of this equation are obtained.