

**Zhang Hongwei, Chen Guowang**  
*Asymptotic stability for a nonlinear evolution equation*

Comment.Math.Univ.Carolinae 45,1 (2004) 101-107.

**Abstract:** We establish the asymptotic stability of solutions of the mixed problem for the nonlinear evolution equation  $(|u_t|^{r-2}u_t)_t - \Delta u_{tt} - \Delta u - \delta \Delta u_t = f(u)$ .

**Keywords:** nonlinear evolution equation, mixed problem, asymptotic stability of solutions

**AMS Subject Classification:** 35L35, 35L25