

Continuity on equilibria of Quasilinear Parabolic Equations

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Abstract. Let E_p be the equilibria of the equations

$$\begin{aligned} u_t &= \lambda(|u_x|^{p-2}u_x)_x + |u|^{p-2}u(1 - |u|^2), \text{ in } (0, 1) \times (0, T) \\ u(0, t) &= u(1, t) = 0, \text{ in } (0, T) \end{aligned}$$

We prove the continuity of the family E_p at $p = 2$.

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- Joint work with Claudia B. Gentile and Marcos R. T. Primo.