

**Sur une classe de problèmes paraboliques quasi-linéaires avec
second membre höldérien**

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Abstract

Let Ω be an open bounded set of R^N , $\partial\Omega = \Gamma_0 \cup \Gamma_1$, ν the outside normal to $\partial\Omega$. We give existence, regularity and uniqueness results for a problem of the type

$$\begin{cases} \frac{\partial u}{\partial t} - \operatorname{div}(A(x, u)\nabla u) = f(x, t, u) \\ u = 0 \text{ on } \Gamma_0, \nu \cdot A(x, u)\nabla u = 0 \text{ on } \Gamma_1 \\ u(x, 0) = u_0(x) \end{cases}$$

where $A(x, u)$ has a suitable modulus of continuity and $f(x, t, u)$ is sublinear and Hölderian with respect to u .