

GLOBAL EXISTENCE OF SOLUTION FOR REACTION DIFFUSION SYSTEMS WITH A FULL MATRIX OF DIFFUSION COEFFICIENTS

K. Boukerrioua

Abstract. The goal of this work is to study the global existence in time of solutions for some coupled systems of reaction diffusion which describe the spread within a population of infectious disease. We consider a full matrix of diffusion coefficients and we show the global existence of the solutions.

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K. Boukerrioua
University of Guelma, Guelma, Algeria.
E-mail: khaledv2004@yahoo.fr
