

ON AN ABSTRACT TRANSPORT EQUATION  
AND SOME OF ITS APPLICATIONS  
IN CELL POPULATION DYNAMICS

M. BOULANOUAR  
LMCM-RSA  
Poitiers France  
(E-mail: boulanouar@gmail.com)

**Abstract.** This work is devoted to an abstract mathematical model involving the transport equation. We prove that this model is governed by a strongly continuous semigroup and we give some of its applications arising from population dynamics.

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