

Iannelli, M.; Milner, F. A.; Pugliese, A.

Analytical and numerical results for the age-structured S-I-S epidemic model with mixed inter-intracohort transmission. (English) [Zbl 0776.35032](#)

SIAM J. Math. Anal. 23, No. 3, 662-688 (1992).

MSC:

35L60 First-order nonlinear hyperbolic equations

65M25 Numerical aspects of the method of characteristics for initial value and initial-boundary value problems involving PDEs

92D30 Epidemiology

47H20 Semigroups of nonlinear operators

Cited in **1** Review

Cited in **37** Documents

Keywords:

epidemic models; nonlinear hyperbolic; discrete dynamical system; optimal error estimates; age-structured population; implicit finite difference method

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