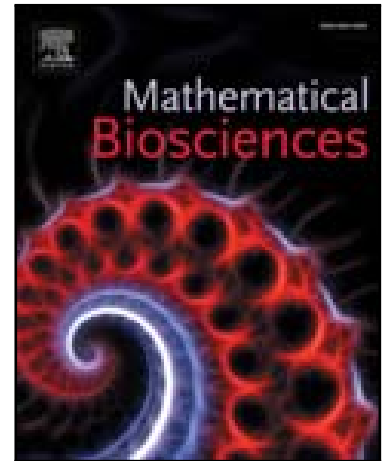


Who is the infector? Epidemic models with symptomatic and asymptomatic cases

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1 Highlights

- 2 • We consider the final size of an SEIR epidemic with asymptomatic and
3 symptomatic cases.
- 4 • What is the probability ρ that an infected individual had a symptomatic
5 infector?.
- 6 • ρ depends on the probabilistic distributions of latent and infectious peri-
7 ods.
- 8 • Upper- and lower bound are obtained by considering an extreme model.
- 9 • Markov models and Reed-Frost models can lead to qualitatively different
10 epidemics.

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