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The effect of infected external computers on the spread of viruses: A compartment modeling study

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Highlights

- We propose a novel virus-antivirus mixed spreading model.
- We prove that this model has a globally asymptotically stable viral equilibrium.
- We find that computer viruses cannot be eradicated.
- We analyze the effect of different parameters on the steady virus prevalence.
- We make a number of suggestions for containing the spread of computer viruses.

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