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Modeling the state dependent impulse control for computer virus propagation under media coverage

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- A state dependent impulsive control model is proposed to model the spread of computer virus incorporating media coverage
- Prove the existence and stability of order-1 periodic solution
- The state dependent impulsive control can prevent the spread of computer virus, i.e., the number of the infected computers is under the threshold
- The media coverage can reduce the transmission rate to delay the spread of computer virus.

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