عنوان مقاله:
Mathematics Simulation of Rumor Spreading

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خلاصه مقاله:
In this paper, we explain the rumor spreader model with a differential equation system and analyses and consider this system in dynamical system view. The model which we consider in a society contains ignoring, spreading, stifle and controlling factors. In this work, we study on a new rumor spreading model, Ignorant-Spreader-Stifler-Controller (ISRC) model, is developed. The model extends the classical Ignorant-Spreader-Stifler (ISR) rumor spreading model by adding a new kind of people that spread a new rumor against previous rumor to control and reduce the maximum rumor influence.The model is an extension of SIR model which has studied before. In this research, we give a dynamical system which explains SIRC dynamical factors. Moreover, we consider the equilibrium conditions near the .equilibrium point

کلمات کلیدی:
Epidemic model, Rumor spreading, asymptotic behavior, Numerical simulations