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Gompertz model with time delays

We study the influence of time delays on the dynamics of the classical Gompertz model. First we consider the models with one discrete delay introduced in two different ways and next the models with two delays. We present the basic properties of investigated models including the asymptotic behaviour of solutions, the examination of Hopf bifurcation occurrence and stability switches. We also show results for the types of occurring bifurcations. The analytical results are illustrated and completed by numerical simulations.