

Nonlinear Dynamical Formulation for Describing Growth of Cancer Cells Based on Intracellular Constituents

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A set of equations characterizing the interactions between RNA, DNA and proteins is postulated to describe the growth of tumor cells. From this set of equations, a method to determine the fixed points of the system is presented including the use of the Jacobian matrix. Assessment of the nonlinear dynamics around these fixed points is provided.

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