

# Some Equations of Mathematical Biology

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Equations of mathematical physics are numerous and define many basic principles of physics. The most famous being the Fundamental Principle of Dynamics described by the Newton equations. The Maxwell, Boltzmann or Schroedinger equations illustrate the fundamental principles of electromagnetism, rarefied flows, quantum world.

Through some equations, we are going to illustrate several topics from biology: ecology, neuroscience, cell movement, dynamics of tissue growth