Introduction to LaTeX

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Abstract

The abstract text goes here.

1 Introduction

$$\dot{x} = rx \left(1 - \frac{x}{K}\right) \tag{1}$$

$$x(t) = \frac{KPe^{rt}}{K + P(e^{rt} - 1)}, \tag{2}$$

$$Ci - Cells \tag{3a}$$

$$Ni - Nutrients \tag{3b}$$

$$N + C \xrightarrow{b_i} 2C, \tag{4a}$$

$$rate = b_i[N][C] \tag{4b}$$

$$N + C \xrightarrow{b_i} 2C, \tag{5a}$$

$$\frac{dC}{dt} = b_i[N][C] \tag{5b}$$

$$r = b_i(N_0 + C_0) \tag{6a}$$

$$K = (N_0 + C_0) \tag{6b}$$

$$\frac{dC_i}{dt} = b_i N_i C_i, \tag{7a}$$

$$\frac{dN_i}{dt} = -b_i N_i C_i \tag{7b}$$

$$-k \sum_{j \epsilon \delta_i} (N_i - N_j) \tag{7c}$$

$$\tag{7d}$$

$$\frac{dC_i}{dt} = b_i N_i C_i, \tag{8a}$$

$$\frac{dN_i}{dt} = -b_i N_i C_i - k \sum_{j \epsilon \delta_i} (N_i - N_j) \tag{8b}$$

$$\tag{8c}$$