Introduction to LaTeX

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Abstract

The abstract text goes here.

1 Introduction

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

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

$$Ci - Cells \tag{3a}$$
$$Ni - Nutrients \tag{3b}$$

$$C + N \xrightarrow{b_i} 2C, \tag{4a}$$
$$rate = b_i[C][N] \tag{4b}$$

$$C + N \xrightarrow{b_i[C][N]} 2C \tag{5}$$

$$- \delta_i \tag{6}$$

$$N + C \xrightarrow{b_i} 2C, \tag{7a}$$
$$\frac{dC}{dt} = b_i[N][C] \tag{7b}$$

$$r = b_i(N_0 + C_0) \tag{8a}$$
$$K = (N_0 + C_0) \tag{8b}$$

$$\frac{dC_i}{dt} = b_i N_i C_i, \tag{9a}$$

$$\frac{dN_i}{dt} = - b_i N_i C_i \tag{9b}$$

$$- k \sum_{j \epsilon \delta_i} (N_i - N_j) \tag{9c}$$

$$\tag{9d}$$

$$\frac{dC_i}{dt} = b_i N_i C_i, \tag{10a}$$

$$\frac{dN_i}{dt} = - b_i N_i C_i - k \sum_{j \epsilon \delta_i} (N_i - N_j) \tag{10b}$$

$$\tag{10c}$$