Differential Equations

$$\frac{d\,[x0]}{dt} = 0$$

$$\frac{d\,[x1]}{dt} = 0.99281 + \text{pow}([x1], a) - \text{pow}([x3], 0.5) \cdot \text{pow}([x5], f) \cdot \text{pow}([x7], i) \cdot 0.00719$$

$$\frac{d\,[x2]}{dt} = -(\text{pow}([x2], c) \cdot \text{pow}([x4], e) \cdot \text{pow}([x6], h) \cdot 0.00719 - \text{pow}([x3], d))$$

$$\frac{d\,[x3]}{dt} = -(\text{pow}([x3], 0.5) \cdot \text{pow}([x5], f) \cdot \text{pow}([x7], i) \cdot 0.00719 - \text{pow}([x1], a)) + \text{pow}([x3], d) - \text{pow}([x2], c) \cdot \text{pow}([x4], e) \cdot \text{pow}([x6], h) \cdot 0.00719$$

$$\frac{d\,[x4]}{dt} = \text{pow}([x3], 0.5) \cdot \text{pow}([x5], f) \cdot \text{pow}([x7], i) \cdot 0.00719 + \text{pow}([x3], d) - \text{pow}([x1], a) - \text{pow}([x2], c) \cdot \text{pow}([x4], e) \cdot \text{pow}([x6], h) \cdot 0.00719$$

$$\frac{d\,[x5]}{dt} = \text{pow}([x2], c) \cdot \text{pow}([x4], e) \cdot \text{pow}([x6], h) \cdot 0.00719 + \text{pow}([x1], a) + [x5] \cdot 0.0048535 - \text{pow}([x3], d) - \text{pow}([x3], 0.5) \cdot \text{pow}([x5], f) \cdot \text{pow}([x7], i) \cdot 0.00719 - 0.00719$$

$$\frac{d\,[x6]}{dt} = 0.00719 + \text{pow}([x2], b) \cdot \text{pow}([x6], g) \cdot 0.009707 + \text{pow}([x3], d) - [x5] \cdot 0.0048535 - 0.00719 - \text{pow}([x2], c) \cdot \text{pow}([x4], e) \cdot \text{pow}([x6], h) \cdot 0.00719$$

$$\frac{d\,[x7]}{dt} = 0.00719 + \text{pow}([x1], a) - \text{pow}([x3], 0.5) \cdot \text{pow}([x5], f) \cdot \text{pow}([x7], i) \cdot 0.00719$$

Optimizable Parameters

a	0.0
b	0.0
c	0.0

d	0.0
e	0.0
f	0.0
g	0.0
h	0.0
i	0.0