DynIbex Library

Don't forget to include examples of topicalization. They look like this:

0.1 Equations:

$$\frac{dx_1}{dt} = \frac{x_1}{x_0}, x_1(0) = [1.0, 50.0] \tag{1}$$

$$\frac{dx_0}{dt} = 1, x_0(0) = [1.0, 10.1] \tag{2}$$

For a T(period) = 10, we got:

0.1.1 Simulation with DynIbex

step = 1e-5:
$x_1(t = 10)$ = [ENTIRE] , $x_0(t = 10)$ = [ENTIRE]

0.1.2 Simulation with Euler Method

step = 1e-5s:
$x_1(t = 10)$ = [1.09901, 100] , $x_0(t = 10)$ = [2, 11.1]