Simulation results for the nonlinear system with non-zero initial conditions Variables flows **Efforts** State variables 0.100 0.100 i_L 0.4 0.075 0.075 0.3 0.050 0.050 0.2 0.025 0.025 Amplitudes Amplitudes Amplitudes 0.1 0.000 0.000 -0.025-0.025-0.1-0.050-0.050-0.2-0.075-0.075-0.3100 125 150 175 200 200 25 25 50 75 100 125 150 175 25 50 75 50 75 100 125 150 175 200 0 0 0 Time (s) Time (s) Time (s) Energy (value of the hamiltonian) Error on power balance **Powers** 1e-19 0.005 Power of dissipated energy Energy 0.00020 -Power of stored energy Power of exterior energy 0.00015 0.004 0.00010 0.00005 Energy (J) (200.0 Power (W) Error (W) 0.00000 -0.000050.002 -0.00010-4-0.000150.001 -0.00020125 150 175 100 0 25 50 75 100 200 25 50 75 125 150 175 200 25 50 75 100 125 150 175 200 Time (s) Time (s) Time (s)