Model Documentation of the:

N integrator chain

1 Nomenclature

1.1 Nomenclature for Model Equations

u input

2 Model Equations

$\dot{x}_1 = x_2$	(1a)
$\dot{x}_2 = x_3$	(1b)
	(1c)
$\dot{x}_{n-1} = x_n$	(1d)
$\dot{x}_n = u$	(1e)

Inputs: u Parameters: Outputs:

3 Derivation and Explanation

References

[1] Wang, X.; Saberil, A.; Stoorvogel, A. A.; Grip, H. F.: Control of a chain of integrators subject to actuator saturation and disturbances, international journal of robust and nonlinear control, 2011