Model Documentation of the:

Brockett Integrator

1 Nomenclature

1.1 Nomenclature for Model Equations

u_1, u_2 Inputs

2 Model Equations

$$\dot{x_1} = u1 \tag{1a}$$
$$\dot{x_2} = u2 \tag{1b}$$
$$\dot{x_3} = x_2 u_1 - x_1 u_2 \tag{1c}$$

Inputs: u_1, u_2

References

[1] Brockett, R. W.: *Asymptotic Stability and feedback stabilization*, 1983