

Pers. Differential Van der Pol:

$$\frac{d^2 x(t)}{dt^2} + \mu [x(t)^2 - 1] \frac{dx(t)}{dt} + x(t) = 0$$

$$x(t) \equiv x_1$$

$$\frac{dx(t)}{dt} \equiv x_2$$

$$\dot{x}_1 = x_2 \quad (1)$$

$$\dot{x}_2 + \mu [x_1^2 - 1] x_2 + x_1 = 0$$

$$\dot{x}_2 = -x_1 - \mu [x_1^2 - 1] x_2 \quad (2)$$

