

$$D(t, x, \lambda) := \text{stack} \left(\lambda \cdot x_1 + \frac{1}{1+t^2} - \lambda \cdot \arctg(t) \right)$$

$$AbsTol := 10^{-8} \quad RelTol := 10^{-8}$$

$$t_0 := \text{time}(0) \quad x_0 := \text{stack}(0) \quad t_{min} := 0 \quad t_{max} := 10 \quad N := 100$$

$$res := \text{gslrkck}(\text{stack}(0), t_{min}, t_{max}, N-1, D(t, x, -100))$$

$$\text{time}(0) - t_0 = 213 \text{ MC}$$

$$p1 := res_{[1..N]} \begin{bmatrix} 1 \\ 2 \end{bmatrix} \quad t := res_{[1..N]} 1 \quad y := \overrightarrow{\arctg(t)} \quad err := res_{[1..N]} 2^{-y}$$

