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

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

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

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

$$\text{time}(0) - t_0 = 112 \text{ мс}$$

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