

local minimum with hierarchical optimization

$$\dot{x}_1 = -k_1 x_1 + k_2 x_2, \quad x_1(0) = 1,$$

$$\dot{x}_2 = k_1 x_1 - k_2 x_2, \quad x_2(0) = 0,$$

$$y = h(\mathbf{x}, \psi) = \boxed{s \cdot x_2}$$

B

*restarting standard approach
with parameters of local
optimum only finds local
optimum if the starting point is
perturbed with less than 1e-8*

