

Two neuron system: sample solutions

$$\dot{v}_1 = -5v_1 + 17 \tan^{-1}(v_1) - 25 \tan^{-1}(v_2)$$

$$\dot{v}_2 = -v_2 + 4 \tan^{-1}(v_1) - 5 \tan^{-1}(v_2)$$

$$v_1(0) = 2 \quad v_2(0) = 3$$

