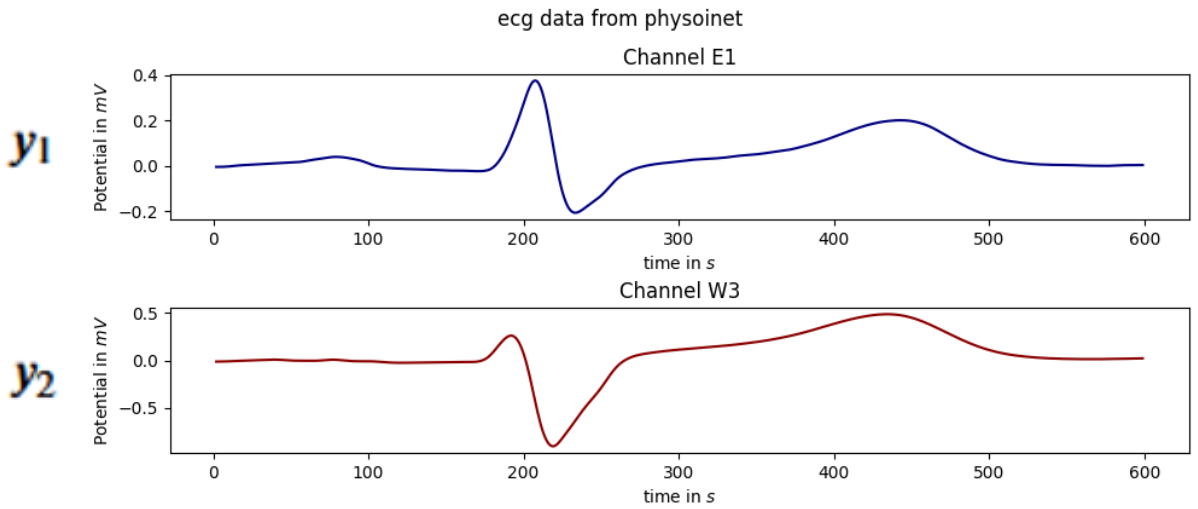


y_1

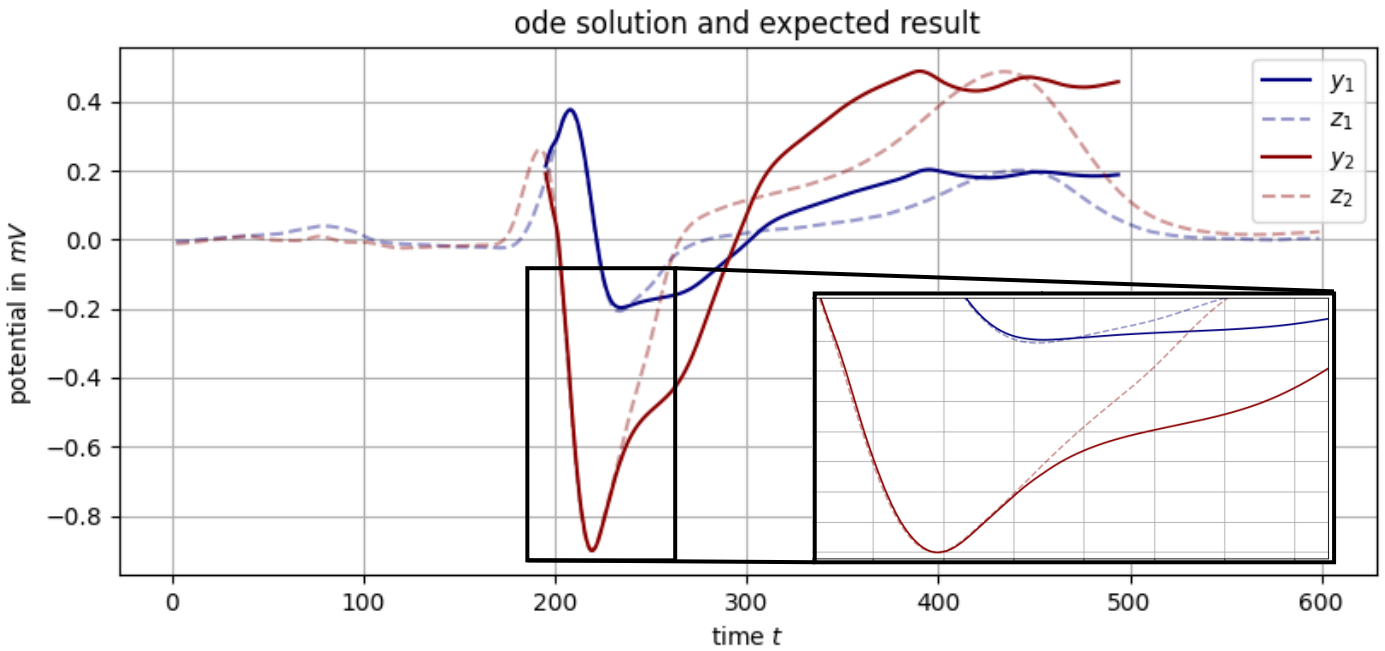
y_2

fit to 2d system

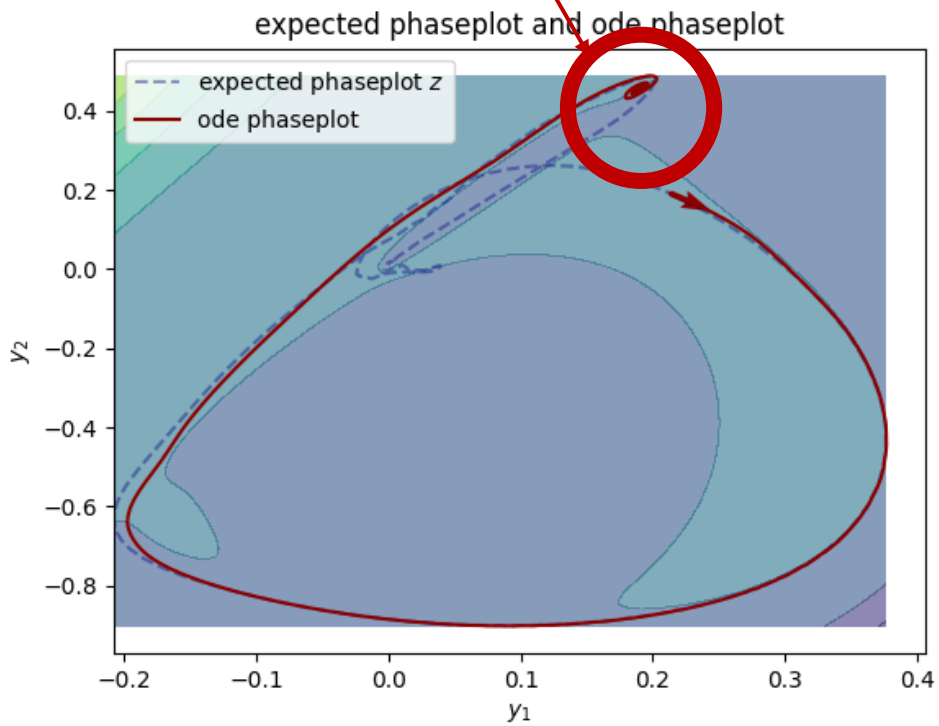
$$y_1 = y_{E1} = f_1(y_1, y_2; \vec{p}) = p_0 y_1 + p_1 y_2 + p_2 y_1^2 + p_3 y_1 y_2 + p_4 y_2^2 + \ldots + y_2^3$$

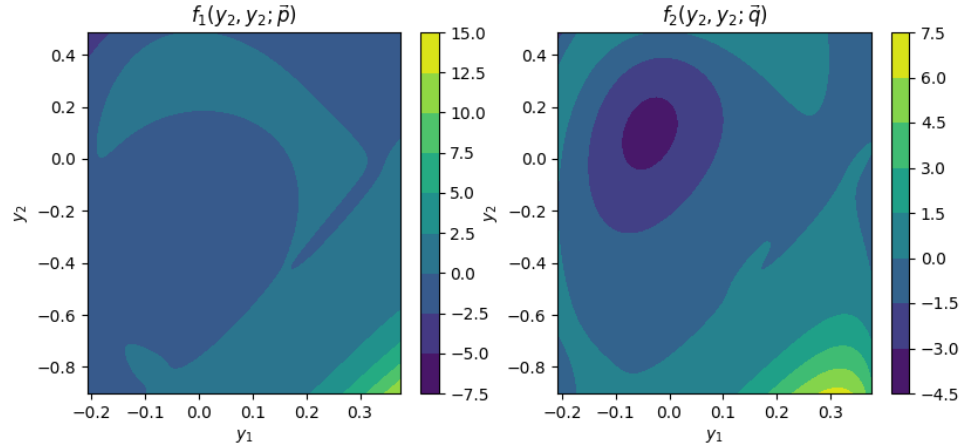
$$y_2 = y_{E2} = f_2(y_y, y_2; \vec{q})$$

astonishing results:



„pinpoint“





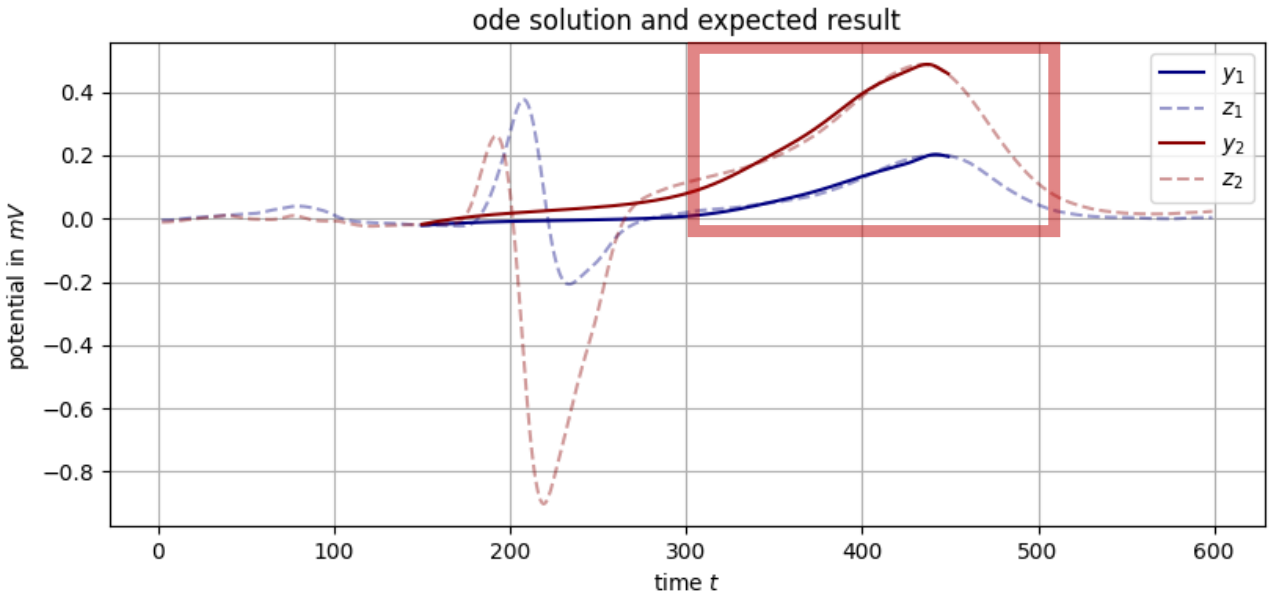
$Grade\ N_f = 6$

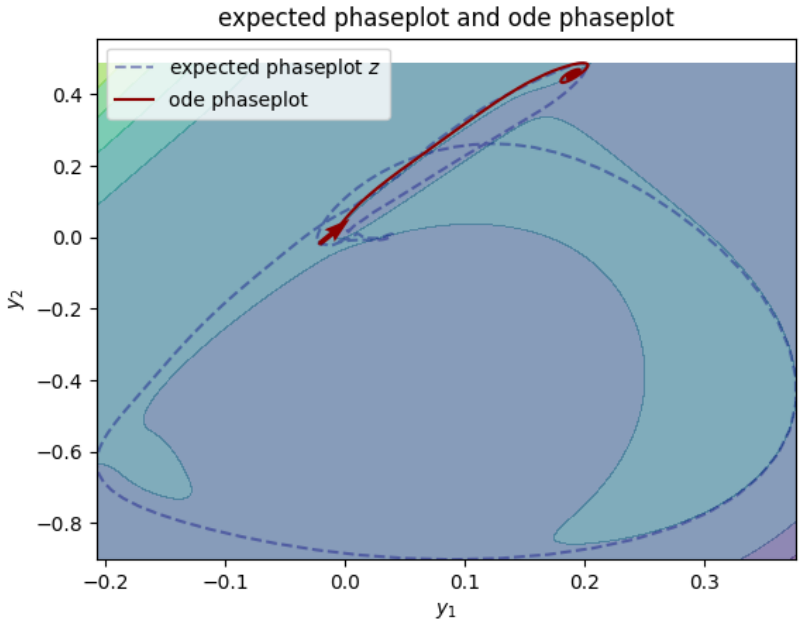
$$f(y_1, y_2; \vec{p}) = p_0 y_1 + p_1 y_2 + \cdots + p_? y_2^6$$

same equation, different ivp:

$Grade\, N_f = 6$

$$f(y_1, y_2; \vec{p}) = p_0 y_1 + p_1 y_2 + \cdots + p_? y_2^6$$

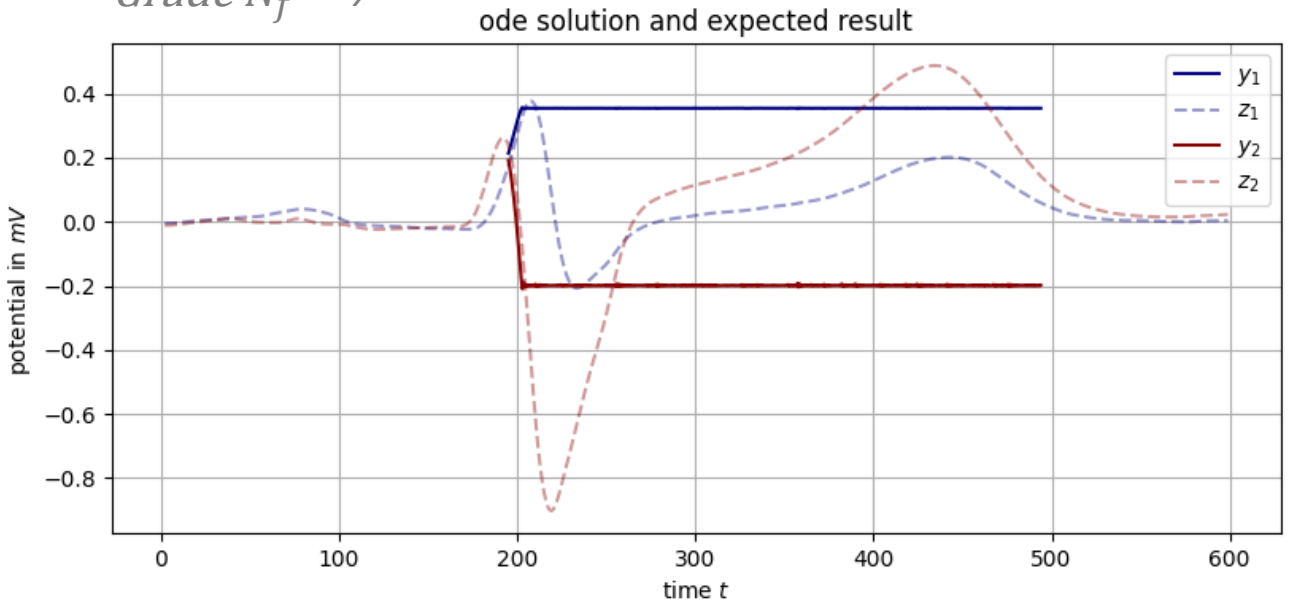


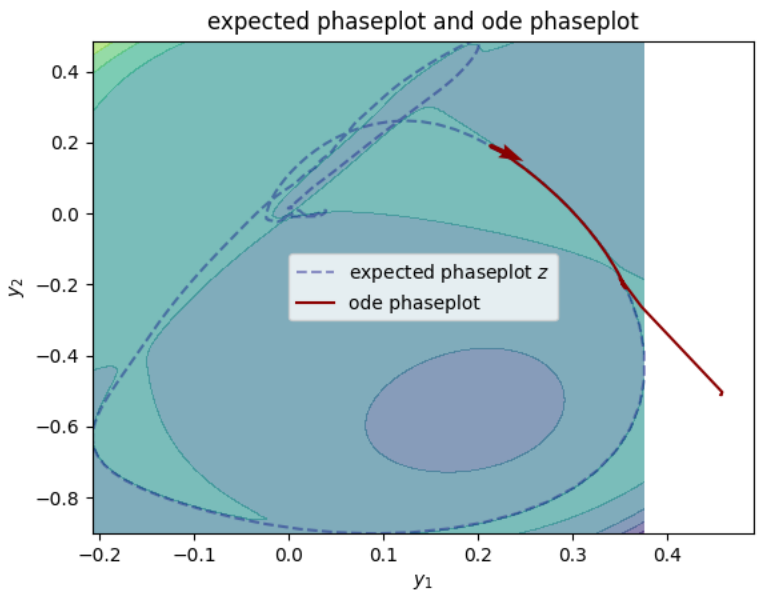


3d fit: $f(y_1, y_2, y_3; \vec{p})$

does **not** work using **odd** grades N_f

$Grade\ N_f = 7$





this or solution runs into infinity