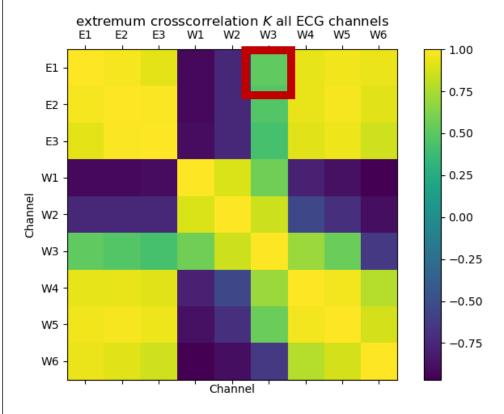


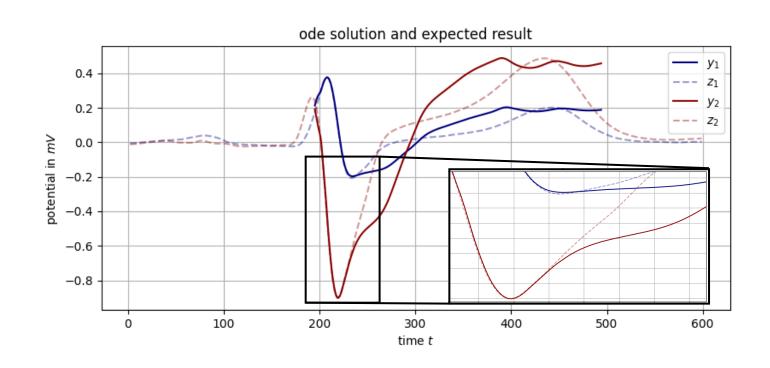


$$y_1 = y_{E1} = f_1(y_1, y_2; \vec{p}) = p_0 y_1 + p_1 y_2 + p_2 y_1^2 + p_3 y_1 y_2 + p_4 y_2^2 + \dots + y_2^3$$
  
 $y_2 = y_{E2} = f_2(y_y, y_2; \vec{q})$ 

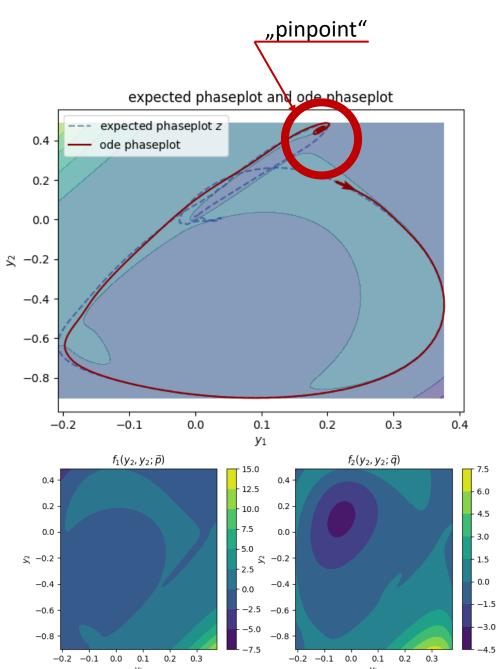
### channels were selected by their correlation



astonishing results:

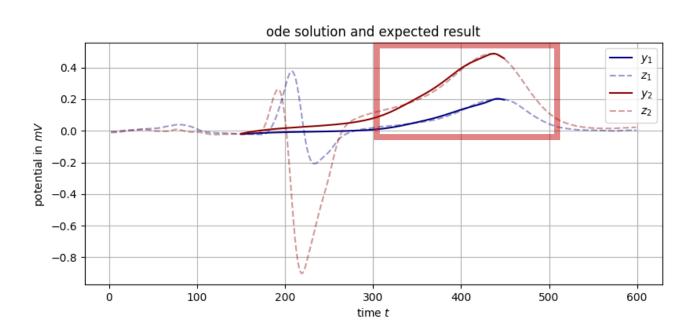


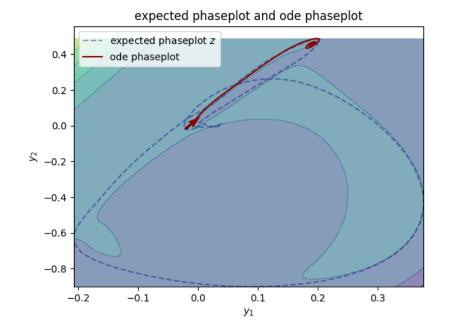
Grade 
$$N_f = 6$$
  
 $f(y_1, y_2; \vec{p}) = p_0 y_1 + p_1 y_2 + \dots + \frac{p_7 y_2^6}{p_1^6}$ 

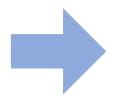


### same equation, different ivp:

Grade 
$$N_f = 6$$
  
 $f(y_1, y_2; \vec{p}) = p_0 y_1 + p_1 y_2 + \dots + p_2 y_2^6$ 

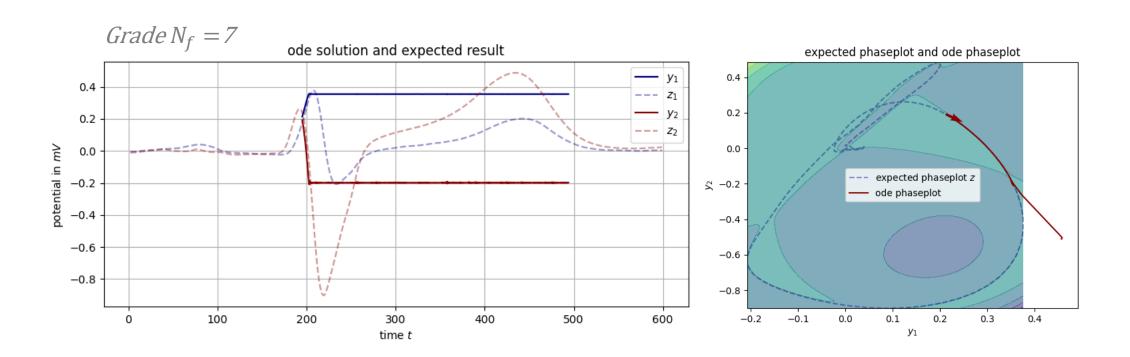




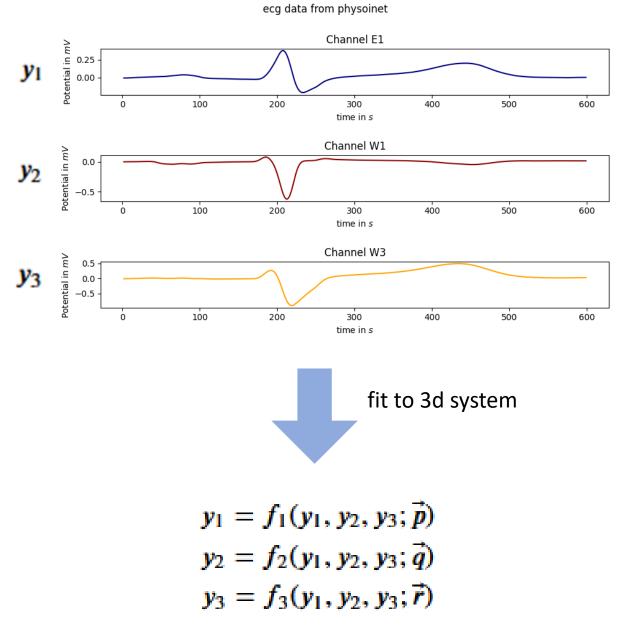


3d fit:  $f(y_1, y_2, y_3; \vec{p})$ 

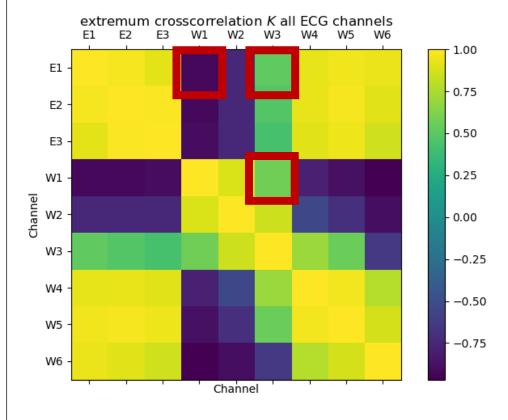
### does $\underline{\mathbf{not}}$ work using $\mathbf{odd}$ grades $N_f$



either this result or solution would run into infinity

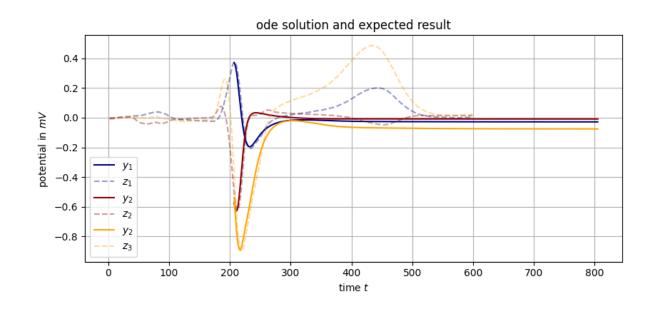


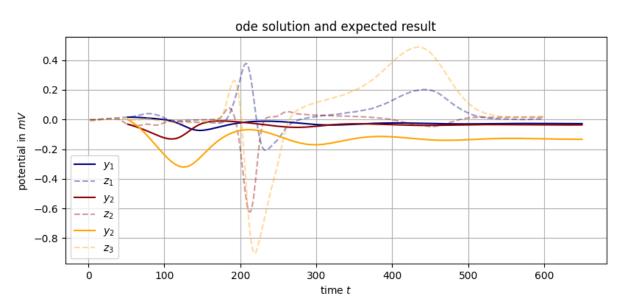
#### channels were selected by their correlation



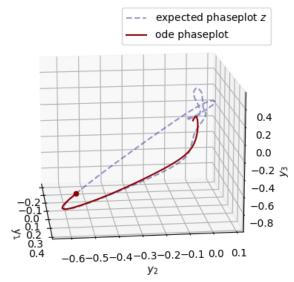
$$f_i(y_1, y_2, y_3) = p_0 y_1 + p_1 y_2 + p_2 y_3 + p_3 y_1^2 + p_4 y_1 y_2 + p_5 y_1 y_3 + p_6 y_2^2 + p_7 y_2 y_3 + p_8 y_3^2$$

# **3D fit** $Grade N_f = 2$

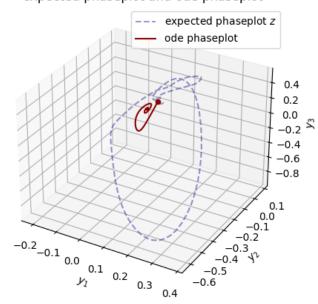




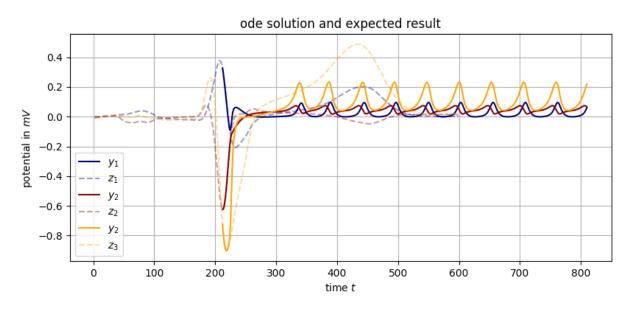
#### expected phaseplot and ode phaseplot

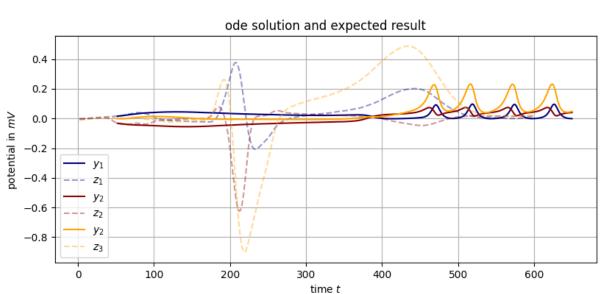


#### expected phaseplot and ode phaseplot

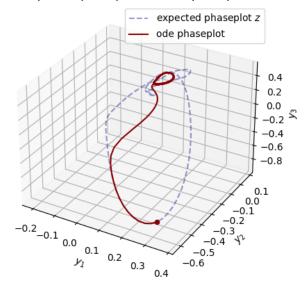


## **3D fit** $Grade N_f = 4$





#### expected phaseplot and ode phaseplot



#### expected phaseplot and ode phaseplot

