Equations

https://camillejr.github.io/science-docs/

1 PC-transport

$$\rho \frac{D\phi}{Dt} = \mathbb{D}\nabla^2 \phi + S_{\phi}$$

$$S_{\phi}(\phi) = f(T, p, Y_1, \dots, Y_{N_S-1})$$

$$\rho \frac{D\mathbf{\Phi}}{Dt} = -\nabla(\mathbf{j}_{\Phi}) + \mathbf{s}_{\Phi}$$

$$ho rac{Doldsymbol{z}}{Dt} = -
abla (oldsymbol{j}_z) + oldsymbol{s}_z$$

2 Regression

$$\mathbf{\Phi} \approx f_{\mathbf{\Phi}}(\mathbf{Z}_q)$$

$$\Phi \approx N(0, \sigma_n^2)$$

$$\Phi = [T, p,]$$