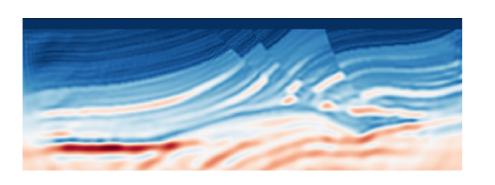
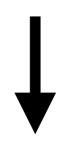
Physical Properties





Physical Laws

$$\rho \frac{\partial v_i}{\partial t} = \sigma_{ij,j} + \rho f_i$$

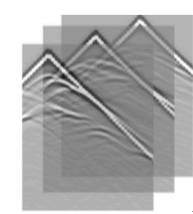
$$\frac{\partial \sigma_{ij}}{\partial t} = \lambda v_{k,k} + \mu (v_{i,j} + v_{j,i})$$

Inverse

Modeling



Predictions (Observations)





Predictive Modeling

Discover Physics

Reduced Order Modeling
