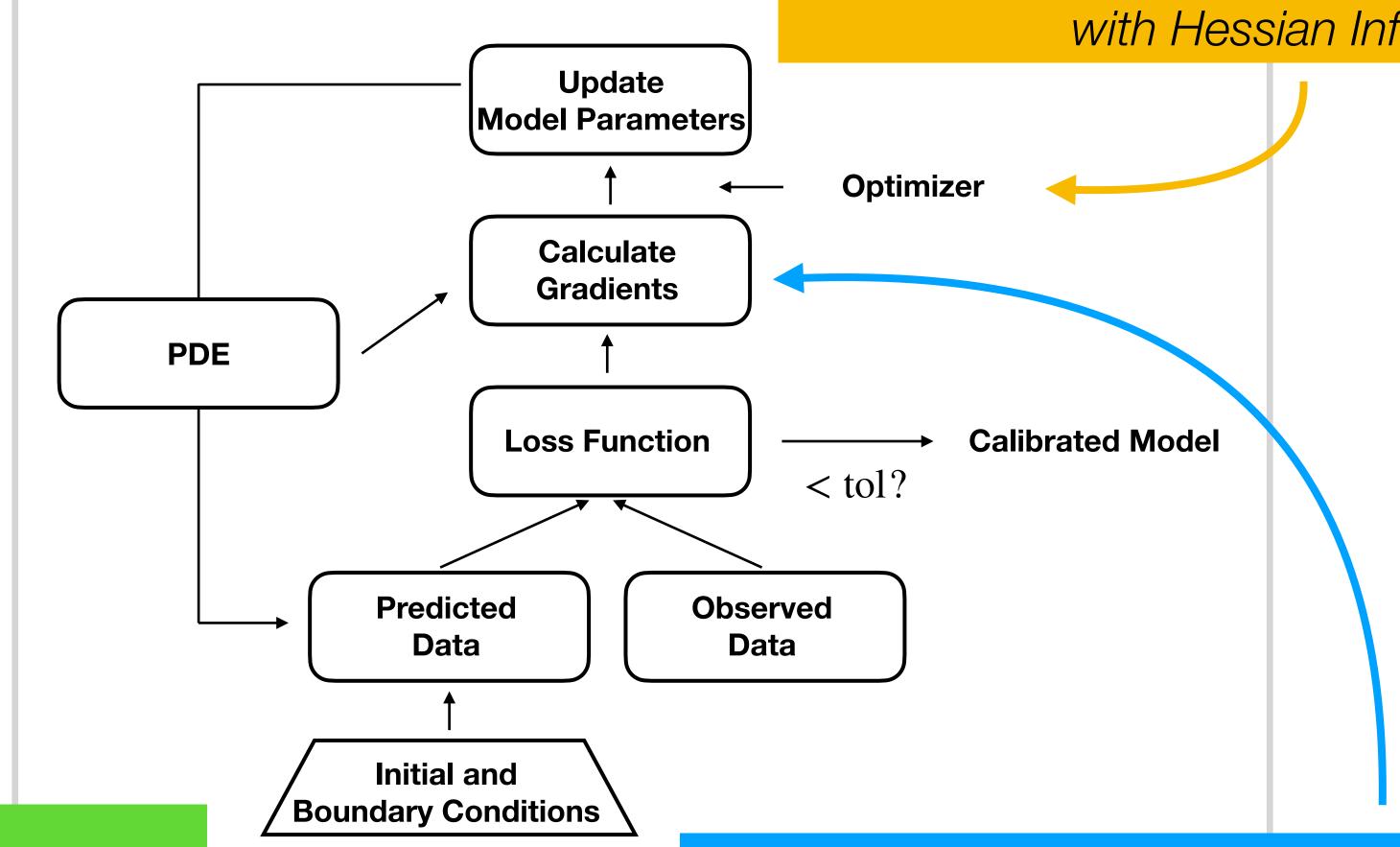
Contribution 3 2nd Order Physics Constrained Learning

Accelerating Convergence and Improving Accuracy with Hessian Information



Contribution 1
Software Implementation

ADCME: Gradient Calculation and Inverse Modeling Pipelining

Contribution 2
1st Order Physics Constrained Learning

Calculating Gradients for Implicit & Iterative Operators