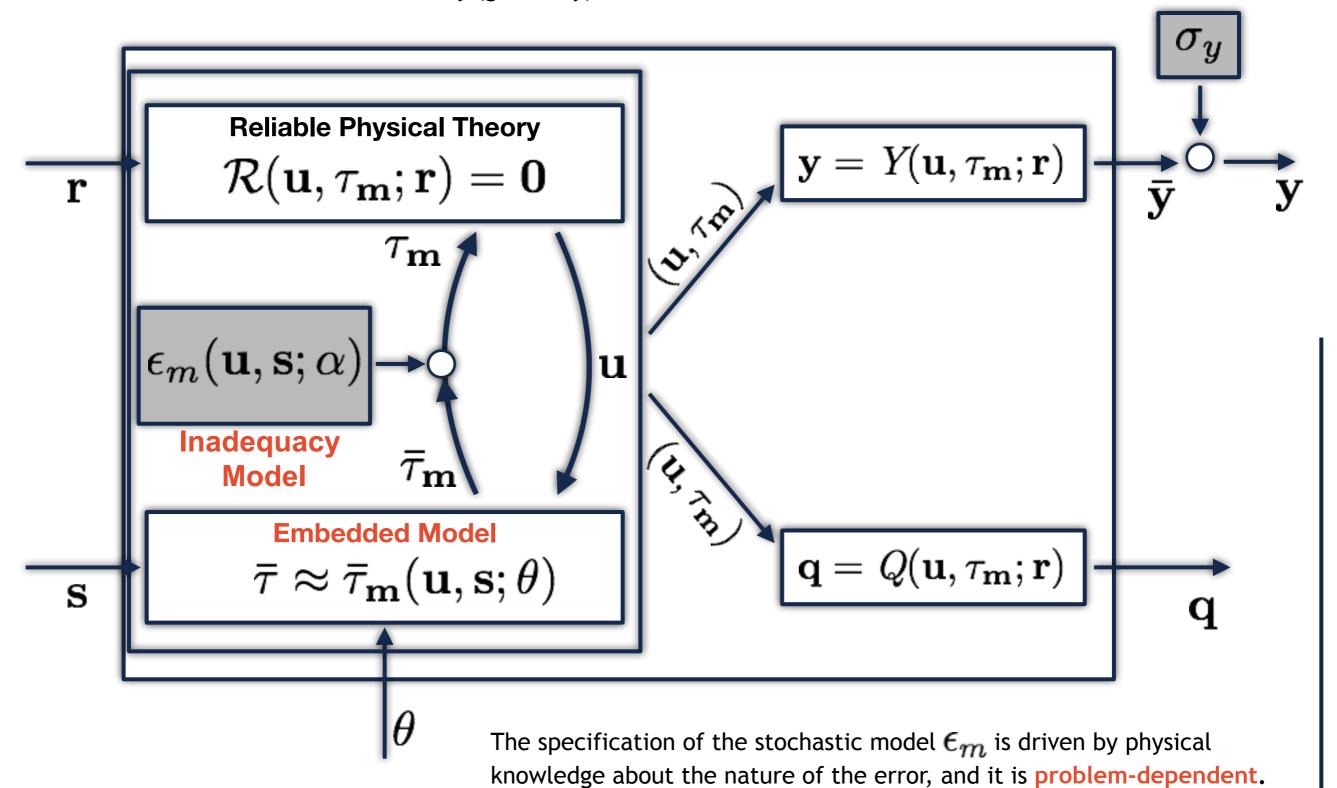
The Predictive Validation Process

Alternatively, we can move the non-deterministic model **upstream to the embedded component**, which is the main source of uncertainty (generally).



The 3-Steps Reliability Assessment

(Or Predictive Estimation): The probabilistic quantification of predicted experimental and computational outcomes with identified and quantified uncertainties. It is comprised of 3 components:

Model Calibration (or Inverse Problem)

Validation (or Model Prediction)

Predictive Assessment (or Estimation of the Validation Regime)