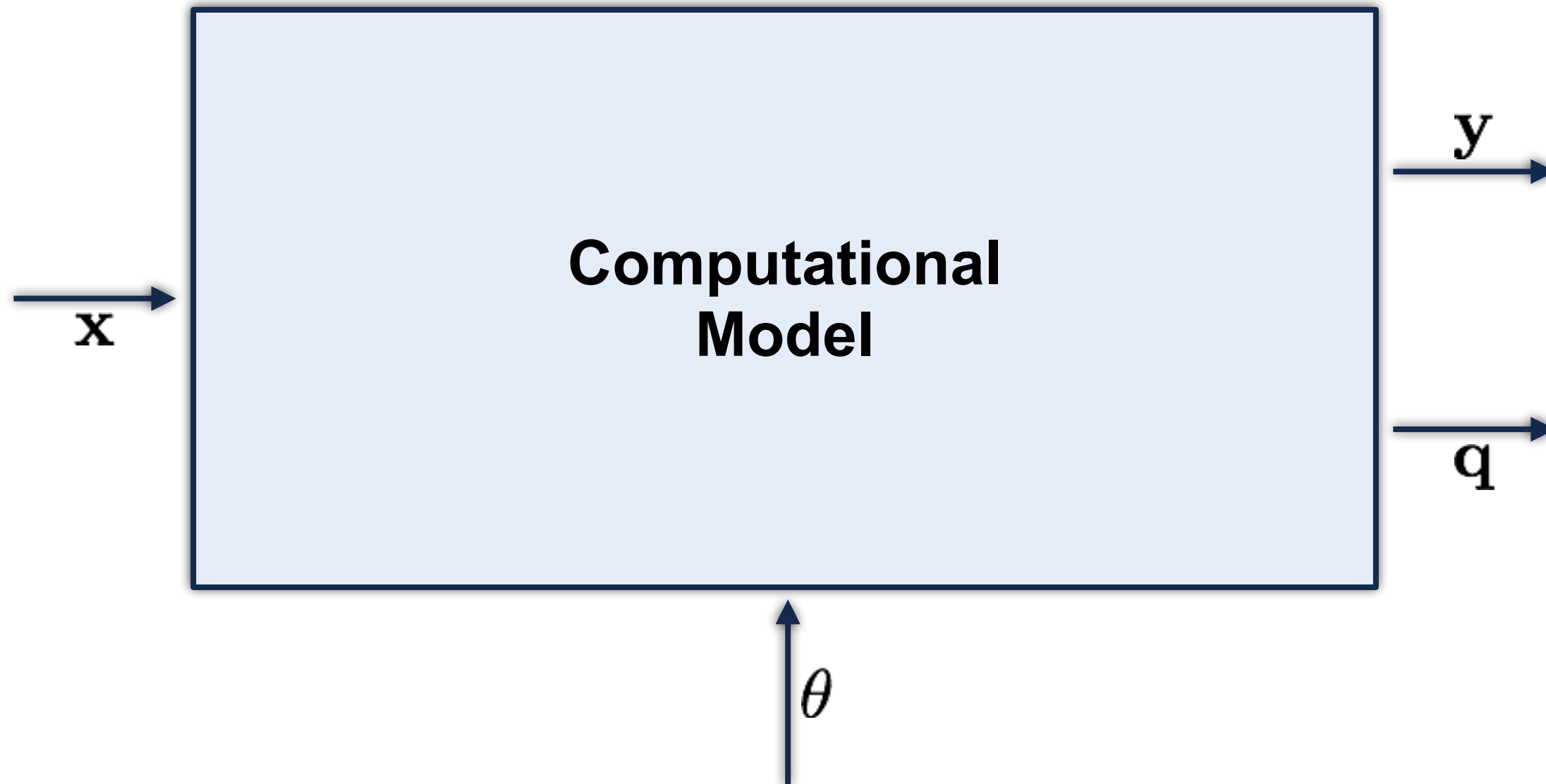# Introduction

The computational models are generally physics based, and they are constructed upon theories that are known to be highly reliable within well-defined domains of applicability.

Introduction

The computational models are generally <u>physics based</u>, and they are constructed upon theories that are known to be highly reliable within well-defined domains of applicability.

$$\mathcal{R}()$$ — Operator Expressing the Theory

$$\mathbf{u}$$ — State Variables

$$\tau$$ — Closure Variables

$$\theta$$ — Parameters of the Embedded Model

$$\mathbf{r} \cup \mathbf{s} = \mathbf{x}$$ — Input for the Scenario