$$\underbrace{q(m) = q(u(m))}_{\text{Implicit dependence}} \quad \text{where } u \text{ depends on } m \text{ through} \quad \underbrace{R(u, m) = 0}_{\text{Forward Model}}$$

Model parameter $m \in \mathbb{R}^{d_M}$ distributed with probability $\nu$

Quantity of Interest $q(m) \in \mathbb{R}^{d_Q}$