Normalizing Flow Applications: Uncertainty Quantification

Forward Problem

Given initial pressure distribution calculate pressure at receivers:

$$\frac{1}{c_0^2}\frac{\partial^2}{\partial t^2}u(x,t) - \Delta u(x,t) = 0$$

$$u(x,0) = p_0(x)$$

$$\frac{\partial}{\partial t}u(x,0) = 0$$