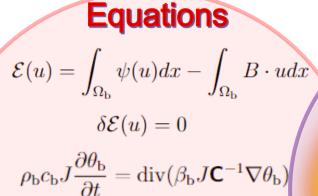


Three Minute Thesis Competition

Auditorium, Orto Botanico (PD), 20th March 2024

Digital Twin of Bread Baking to Avoid Energy Waste

Differential Experimental Machine

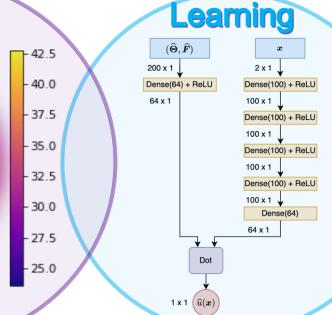


$$\int_{0}^{\underline{d}} c_{b} J \frac{\mathbf{C}^{-1} \nabla \theta_{b}}{\partial t} = \operatorname{div}(\beta_{b} J \mathbf{C}^{-1} \nabla \theta_{b})$$

$$\begin{cases} \frac{d}{dt} Y = K_{y}(\theta) Y \\ Y(0) = Y_{0} \end{cases}$$







Embedded Microprocessor

Baking tray

Bread dough:

-water,-flour,-yeasts

