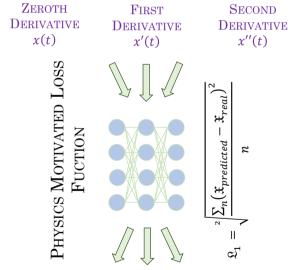
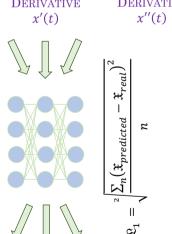
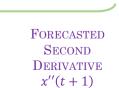


$$\frac{dx}{dt} = \phi(x, y) \qquad \frac{dy}{dt} = \psi(x, y)$$
$$x(t) \qquad y(t)$$

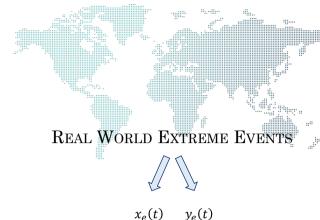


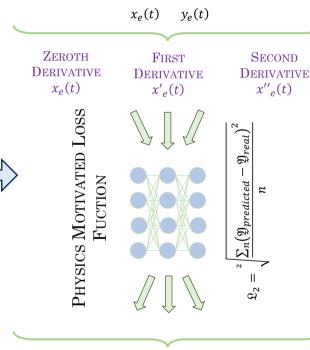




TRANSFER

LEARNING





 $x_e(t + 1)$  $x'_{e}(t+1)$ TRAINING PHASE

FORECASTED

FIRST

**DERIVATIVE** 

FORECASTED

SECOND

**DERIVATIVE** 

 $x''_{e}(t+1)$ 

FORECASTED

ZEROTH

**DERIVATIVE** 

PRE TRAINING PHASE

FORECASTED

FIRST

**DERIVATIVE** 

x'(t + 1)

FORECASTED

ZEROTH

**DERIVATIVE** 

x(t+1)