1. Step 1:
$$\frac{\partial u}{\partial t} = \frac{\partial u}{\partial x} \cdot \frac{\partial x}{\partial t} = \frac{d}{dx} \int (t - R) \frac{d}{dt} (t - R) \int \mu \hat{x} = \int (t - R) \mu \hat{x}$$

Step 1:
$$\frac{\partial u}{\partial t} = \frac{\partial u}{\partial x} \cdot \frac{\partial x}{\partial t} = \frac{\partial u}{\partial x} \int (t - R \int \mu \bar{x}) \frac{d}{dt} (t - R \int \mu \bar{x}) = \int (t - R \int \mu \bar{x})$$

Step 2:
$$\frac{\partial U}{\partial R} = \frac{\partial U}{\partial x} \cdot \frac{\partial x}{\partial R} = \frac{d}{dx} f(t - R) \frac{d}{dR} (t - R) \frac{d}$$

Step 3:
$$\frac{\partial^2 U}{\partial t^2} = \frac{d}{dt} \left[f'(t-P_1 \mu_{E}) \right] = \frac{d}{d(t-P_1 \mu_{E})} f'(t-P_1 \mu_{E}) \frac{d}{dt} (t-P_1 \mu_{E}) = f''(t-P_1 \mu_{E})$$

Step 4: $\frac{\partial^2 U}{\partial P} = \frac{d}{dP} \left[f'(t-P_1 \mu_{E}) (-\mu_{E}) \right] = (-\mu_{E}) \left[f''(t-P_1 \mu_{E}) (-\mu_{E}) \right]$

$$\Rightarrow \frac{\partial^2 u}{\partial k^2} - \mu \xi \frac{\partial^2 u}{\partial t^2} = 0$$

$$\Rightarrow \frac{9 k_3}{9_1 N} - h \xi \frac{9 t_3}{9_3 N} = 0$$

$$\Rightarrow \frac{1}{3}R^2 - \mu \xi \frac{3t^2}{3t^2} = 0$$



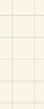


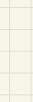


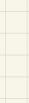




= ps f" (t-PJpk)









Maxwell's equation:
$$\Rightarrow v^{1}A - t^{-\frac{1}{2}} \stackrel{\partial}{\partial t} = -\mu f_{0} \stackrel{\partial}{\partial t}$$
 $\forall x \in -\frac{1}{2} \stackrel{\partial}{\partial t} = 0$
 $\forall x \in -\frac{1}{2}$