$$S_{0} = 340 \in T = 1_{year} - K = strike \left(T_{1} \text{ in downd}\right)$$

$$S_{T} = 300 \in S_{T} = 360 \in S_{T} = 300 \in S_{T}$$

(Mortélo Black - Scholes - Xenhaz)

$$t = T - \frac{2\pi}{\sigma^2}$$
 \Rightarrow $z = \frac{\pi^2}{2}(T - t)$, $t \in [0, T]$.

 $S = e^{\times}$, $X = \ell n S$ or $\ell n = \ell n = \ell n$.

 $\frac{92_{5}}{3_{5}} = \frac{92_{5}}{3_{5}} \left(\frac{92_{5}}{9 \wedge 1} \right) = \frac{92_{5}}{3_{5}} \left(\frac{2}{1} \frac{9}{9} \right) = \frac{92_{5}}{3_{5}$

$$V(S,+) = V(e^{\times}, T - \frac{2\pi}{5^2}) = u(\times, \tau) \quad \times \in \mathbb{R} \quad \pi \in [0, \frac{\pi^2}{2}T]$$

$$t=0 \implies \tau = \frac{\pi^2}{2}T$$

$$\frac{\partial V}{\partial \tau} \frac{d\tau}{dt} = \frac{\partial u}{\partial \tau} \frac{d\tau}{dt} = -\frac{\sigma^2}{2} \frac{\partial u}{\partial \tau} \qquad (fg)' = fg + fg'$$

$$\frac{\partial V}{\partial t} = \frac{\partial V}{\partial t} \frac{dt}{dt} = \frac{\partial u}{\partial z} \frac{dt}{dt} = -\frac{\delta^2}{2} \frac{\partial u}{\partial z}$$

$$\frac{\partial V}{\partial t} = \frac{\partial V}{\partial t} \frac{dt}{dt} = \frac{\partial u}{\partial z} \frac{dt}{dt} = -\frac{\delta^2}{2} \frac{\partial u}{\partial z}$$

$$\frac{\partial V}{\partial t} = \frac{\partial V}{\partial t} \frac{dt}{dt} = \frac{\partial u}{\partial z} \frac{dt}{dz} = -\frac{\delta^2}{2} \frac{\partial u}{\partial z}$$

$$\frac{\partial V}{\partial t} = \frac{\partial V}{\partial t} \frac{dt}{dz} = \frac{\partial u}{\partial z} \frac{dt}{dz} = -\frac{\delta^2}{2} \frac{\partial u}{\partial z}$$

$$\frac{\partial V}{\partial t} = \frac{\partial V}{\partial z} \frac{dt}{dz} = \frac{\partial v}{\partial z} \frac{dz}{dz} = -\frac{\delta^2}{2} \frac{\partial u}{\partial z}$$

$$\frac{\partial V}{\partial z} = \frac{\partial V}{\partial z} \frac{dz}{dz} = \frac{\partial v}{\partial z} \frac{dz}{dz} = -\frac{\delta^2}{2} \frac{\partial u}{\partial z}$$

$$\frac{\partial V}{\partial z} = \frac{\partial V}{\partial z} \frac{dz}{dz} = \frac{\partial v}{\partial z} \frac{dz}{dz} = -\frac{\delta^2}{2} \frac{\partial u}{\partial z}$$

$$\frac{\partial V}{\partial z} = \frac{\partial V}{\partial z} \frac{dz}{dz} = \frac{\partial v}{\partial z} \frac{dz}{dz} = -\frac{\delta^2}{2} \frac{\partial u}{\partial z}$$

$$= -\frac{1}{5^2} \frac{\partial u}{\partial x} + \frac{1}{5^2} \frac{\partial^2 u}{\partial x^2}$$
Me annualaraam annu (*)

$$A \times (e^{\times} - |e^{\times}|^{+})^{+}$$

$$A \times (e^{\times} - |e^{\times}|^{+})^{+}$$

$$u(x,z) = e^{\alpha x + \beta z} \omega(x,z) = \Phi(x,z) \omega(x,z)$$

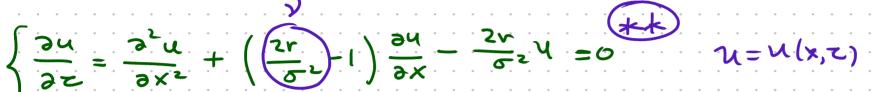
















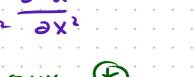


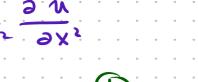


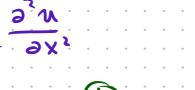




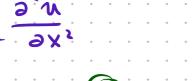








ox = ox w + d ox = adm + d ox



$$\frac{\partial x}{\partial u} = \chi^2 \overline{\Phi} W + 2 \Lambda \overline{\Phi} \frac{\partial x}{\partial w} + \overline{\Phi} \frac{\partial x}{\partial w}$$

$$+(\gamma-1)(a\overline{+}\omega+b\overline{-}\omega)-B\overline{+}\omega$$

$$\Rightarrow \int \frac{\partial w}{\partial t} = \frac{\partial^2 w}{\partial x^2}, \quad x \in \mathbb{R}, \quad t \in [0, \frac{2}{2}]$$

$$= \frac{\partial^2 w}{\partial t} = \frac{\partial^2 w}{\partial x^2}, \quad x \in \mathbb{R}, \quad t \in [0, \frac{2}{2}]$$

$$= \frac{\partial^2 w}{\partial t} = \frac{\partial^2 w}{\partial x^2}, \quad x \in \mathbb{R}, \quad t \in [0, \frac{2}{2}]$$

$$= \frac{\partial^2 w}{\partial t} = \frac{\partial^2 w}{\partial x^2}, \quad x \in \mathbb{R}, \quad t \in [0, \frac{2}{2}]$$

$$\Lambda_{\text{UPC}} \quad \chi_{(x,0)} = e^{-\frac{1}{2}(x-1)} \times \chi_{(x,0)}$$

$$S = e^{\times}$$

$$\Lambda_{\text{UPC}} \quad \chi_{(x,0)} = e^{-\frac{1}{2}(x-1)} \times \chi_{(x,0)}$$

$$S = e^{\times}$$

$$L = T - \frac{2\pi}{\sigma^2}$$