

$$\frac{3n}{9n} = \frac{9\times}{9n} \frac{9h}{9\times} + \frac{9n}{9n} \frac{2h}{9n} = -1.2nh \frac{9\times}{9n} + 1.000h \frac{9n}{9n}$$

=- L. (a) 3x - L. z, lo (9x 26 + gh 2h) 3x - L. z, lo gh + L. (a) 6. (3x 26 + g) 3h 3n =-(0>6 gx - L.zi, 6 - L.zi, 16 gx + L. (0>6 gx) 3x - L.zi, 6gx + L. (0>6 - L.zi, 6gx + L. (0>6 gx) 3x

$$\frac{1}{r^2}\frac{\partial u}{\partial y^2} = -\frac{1}{r}\left(\cos \varphi \, u_X + \sin \varphi \, u_D\right) + \sin^2\varphi \, u_{XX} - 2\sin\varphi\cos\varphi \, u_{XY} + \cos^2\varphi \, u_{YY}$$

$$\frac{1}{7^{2}} \frac{\partial u}{\partial t^{2}} = -\frac{1}{7} \left(\cos \varphi \, u_{x} + \sin \varphi \, u_{y} \right) + \sin^{2}\varphi \, u_{xx} - 2 \sin \varphi \cos \varphi \, u_{xy} + \cos^{2}\varphi \, u_{yy}$$

$$+ \frac{3u}{3r^{2}} = \cos^{2}\varphi \, u_{xx} + 2 \sin \varphi \cos \varphi \, u_{xy} + \sin^{2}\varphi \, u_{yy}$$

$$\frac{\partial u}{\partial r^{2}} + \frac{1}{7^{2}} \frac{\partial u}{\partial r^{2}} = -\frac{1}{7} \left(\cos \varphi \, \frac{\partial u}{\partial x} + \sin \varphi \, \frac{\partial u}{\partial y} \right) + \frac{\partial^{2}u}{\partial x^{2}} + \frac{\partial^{2}u}{\partial y^{2}}$$

$$\frac{\partial u}{\partial r^{2}} + \frac{1}{7^{2}} \frac{\partial u}{\partial r^{2}} = -\frac{1}{7} \left(\cos \varphi \, \frac{\partial u}{\partial x} + \sin \varphi \, \frac{\partial u}{\partial y} \right) + \frac{\partial^{2}u}{\partial x^{2}} + \frac{\partial^{2}u}{\partial y^{2}}$$

$$\frac{\partial u}{\partial x^2} + \frac{\partial u^2}{\partial y^2} = \frac{\partial^2 u}{\partial c^2} + \frac{1}{c} \frac{\partial u}{\partial c} + \frac{1}{c^2} \frac{\partial^2 u}{\partial \phi^2}$$