

$$\epsilon_x = \frac{\partial u}{\partial x} = Ay$$

$$\epsilon_y = \frac{\partial v}{\partial y} = 2Ay$$

$$\gamma_{xy} = \frac{\partial u}{\partial y} + \frac{\partial v}{\partial x} = Ax$$

$\Delta$  закон

$$u = Axy$$

$$v = Ay^2$$

$$\frac{\partial^2 \epsilon_x}{\partial y^2} = 0$$

$$\frac{\partial^2 \epsilon_y}{\partial x^2} = 0$$

$$\frac{\partial^2 \gamma_{xy}}{\partial xy} = 0$$

OK закон Гука