$$\frac{x^{2}}{\alpha^{2}} + \frac{y^{2}}{\beta^{2}} = 1$$

$$\frac{u}{\alpha^{2}} + \frac{y^{2}}{\beta^{2}} = 1$$

$$\frac{u}{\alpha^{2}} + \frac{y^{2}}{\beta^{2}} = 1$$

$$\frac{u}{\alpha^{2}} + \frac{y^{2}}{\delta^{2}} = 1$$

$$\frac{u}{\alpha^{2}} + \frac{u}{\alpha^{2}} = 1$$

$$\frac{u}{\alpha^{2}} = 1 - \frac{u^{2}}{\alpha^{2}}$$

$$\frac{u}{\beta^{2}} = 1 - \frac{u}{\alpha^{2}}$$

$$\frac{u}{\beta^{2}} = 1 - \frac{u}{\alpha^{2}$$

Smax = 4. 1/2 a 1/2 b = 2 a b