

$$\frac{d^2 z}{dx^2} = \gamma = \frac{d}{dx} \left(\frac{dz}{dx} \right)$$

$$\left\langle \sqrt{\left(\frac{dz}{dx}\right)} = \int \right\rangle dx = \sqrt{x} + C_0$$

$$\frac{dz}{dx} = y \times + c_0$$

$$(X_0, Z_0) = (0, Z_0)$$

Et, steeper hill km1, gentler hillstype

Separation of variables (again)

$$\neq = \sqrt{\frac{x^2}{2}} + C$$

$$Z_0 = \frac{1}{2} + C_0$$
; $Z_0 = C_0$.
 $Z = Z_0 + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2}$

Hilltop curvature