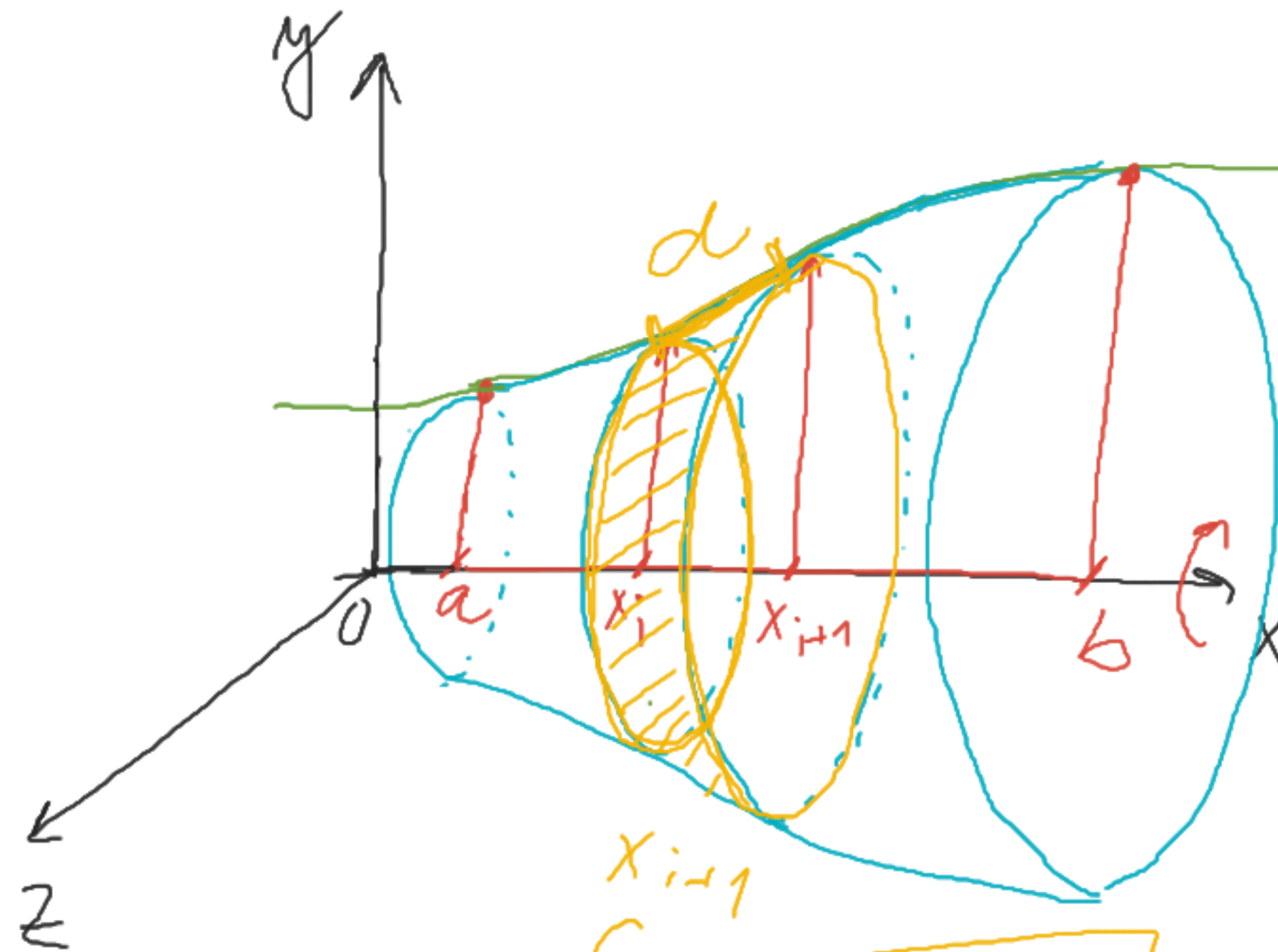


OBSAH PLOCHY ROTACEJ PLOCHY



$$y = f(x)$$

OBVOD KRUHU

$$O = 2\pi \underbrace{f'(x_i)}$$

$$d = \int_{x_i}^{x_{i+1}} \sqrt{1 + (f'(x))^2} dx$$

OBSAH PLOCHY $\boxed{\text{OBSAH PLOCHY}} =$

"OBVOD KRUHU" \times "DL'ŽKA d "

$$S = 2\pi \int_a^b |f(x)| \cdot \sqrt{1 + (f'(x))^2} dx$$