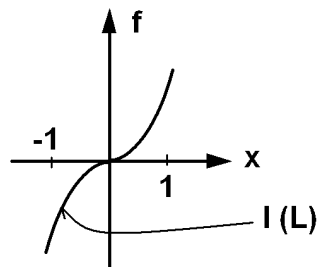


Übungen in Analysis ◇ Exercices en analyse ◇ T. E1 ◇ I / 15

Probl. 1 $f(x) = \sinh(x)$

$$I = [-1, 1]$$

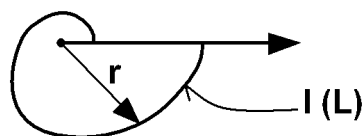
$$l = ?$$



Probl. 2 $r = r(\varphi) = e^\varphi$

$$\varphi \in [0, 2\pi]$$

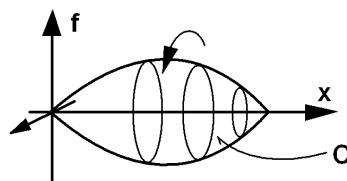
$$l = ?$$



Probl. 3 $f(x) = \sin(x)$

$$x \in [0, \pi]$$

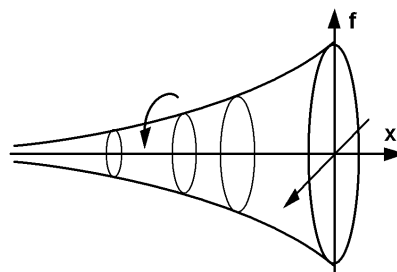
$$O = ? \quad V = ?$$



Probl. 4 $f(x) = e^x$

$$I = (-\infty, 0]$$

$$O = ? \quad V = ?$$



Probl. 5 $f(x) = \frac{1}{x}$

$$I = [1, \infty)$$

$$O = ? \quad V = ?$$

