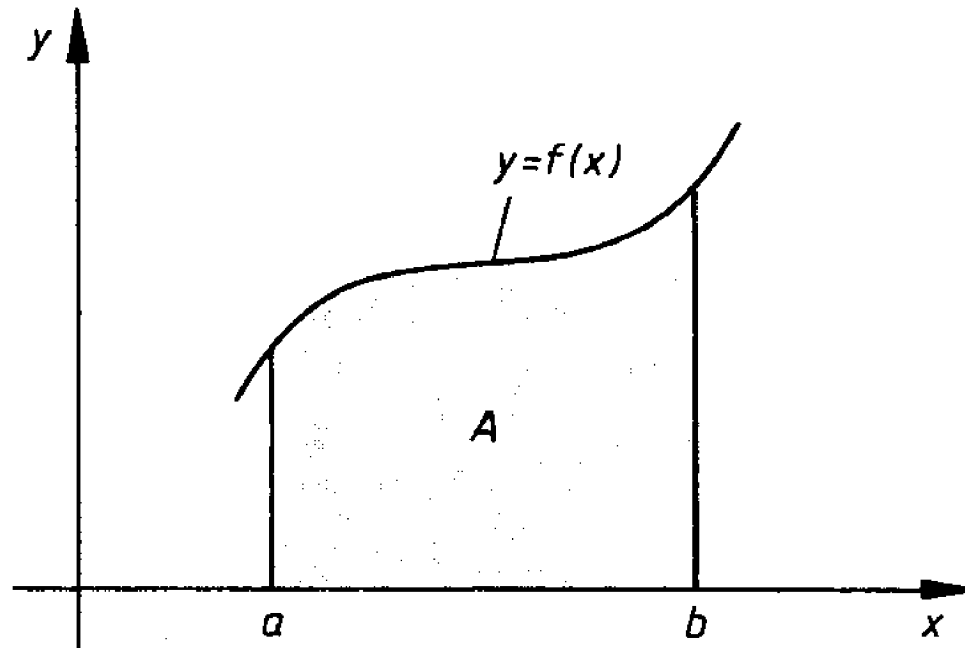
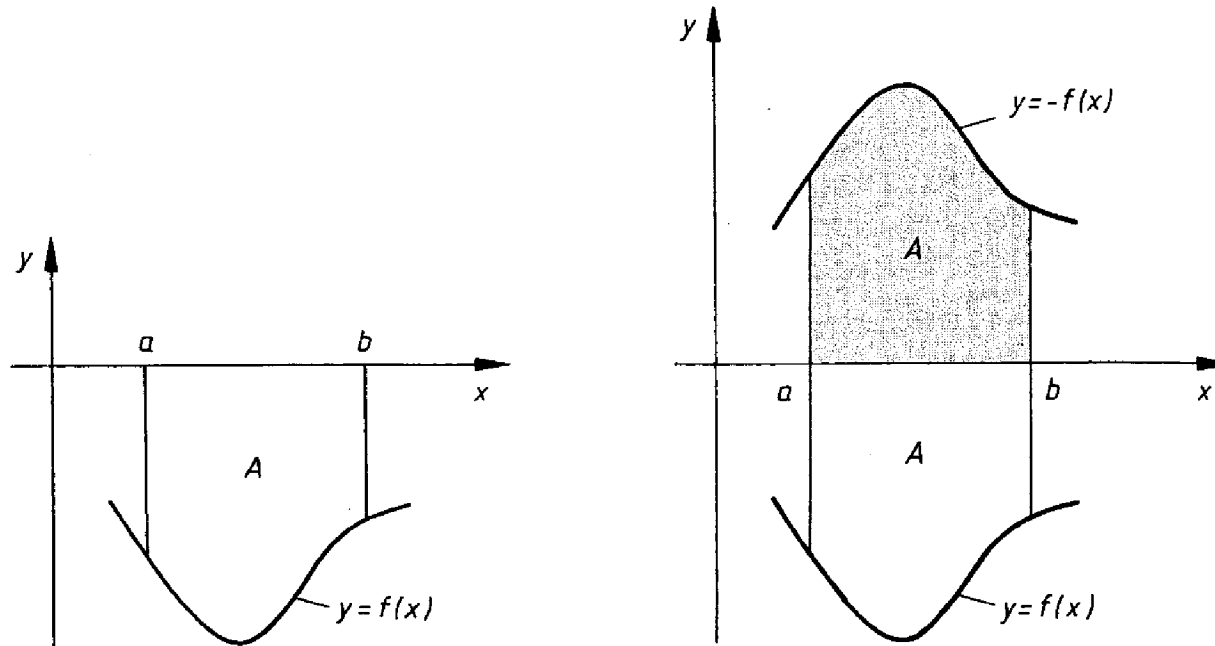


# Flächeninhalt



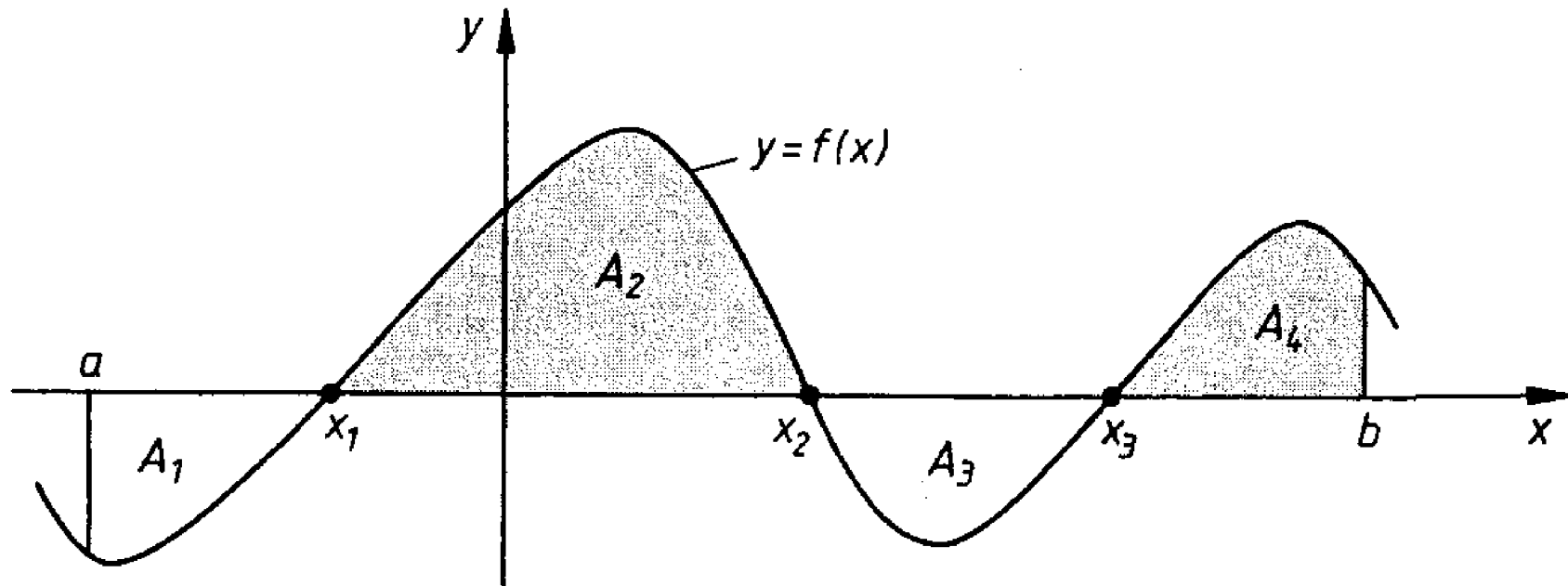
$$A = \int_a^b f(x) dx$$

# Flächeninhalt

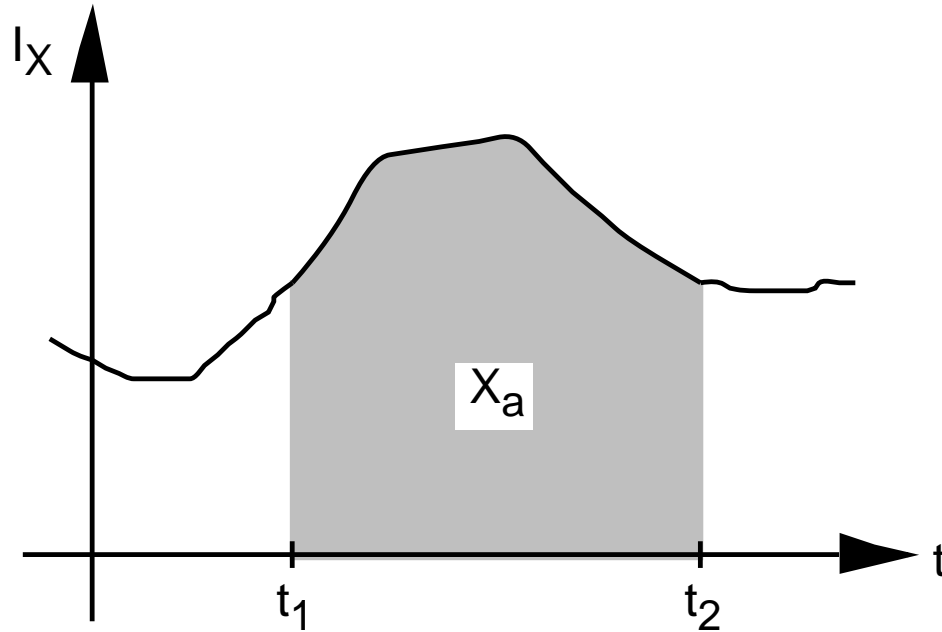


$$A = - \int_a^b f(x) dx$$

# Flächeninhalt

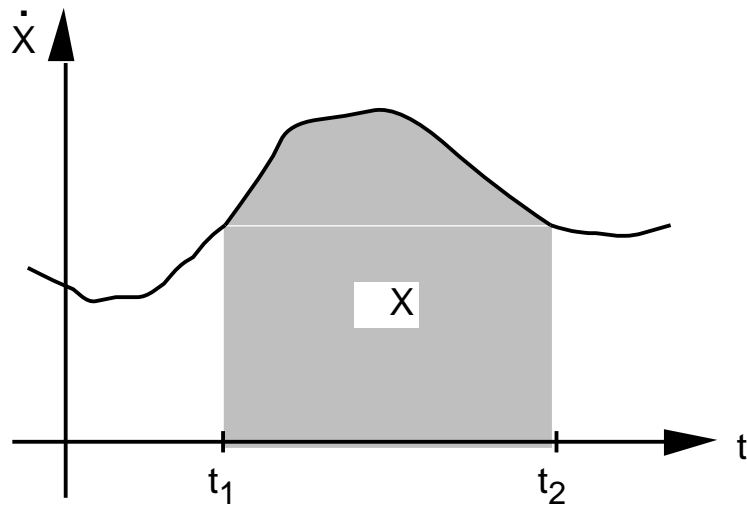


# Stromstärke $I_X$      Transportierte Menge $X_a$



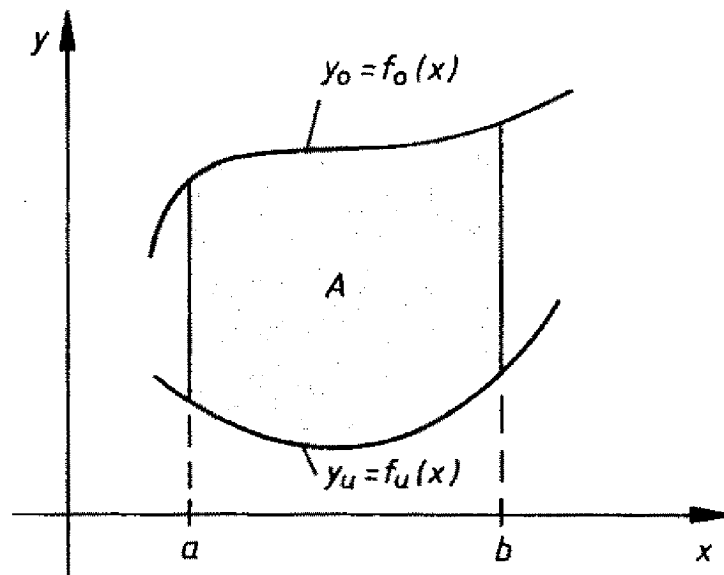
$$X_a = \int_{t_1}^{t_2} I_X(t) dt$$

# Änderungsrate $\dot{X}$      Änderung $X$



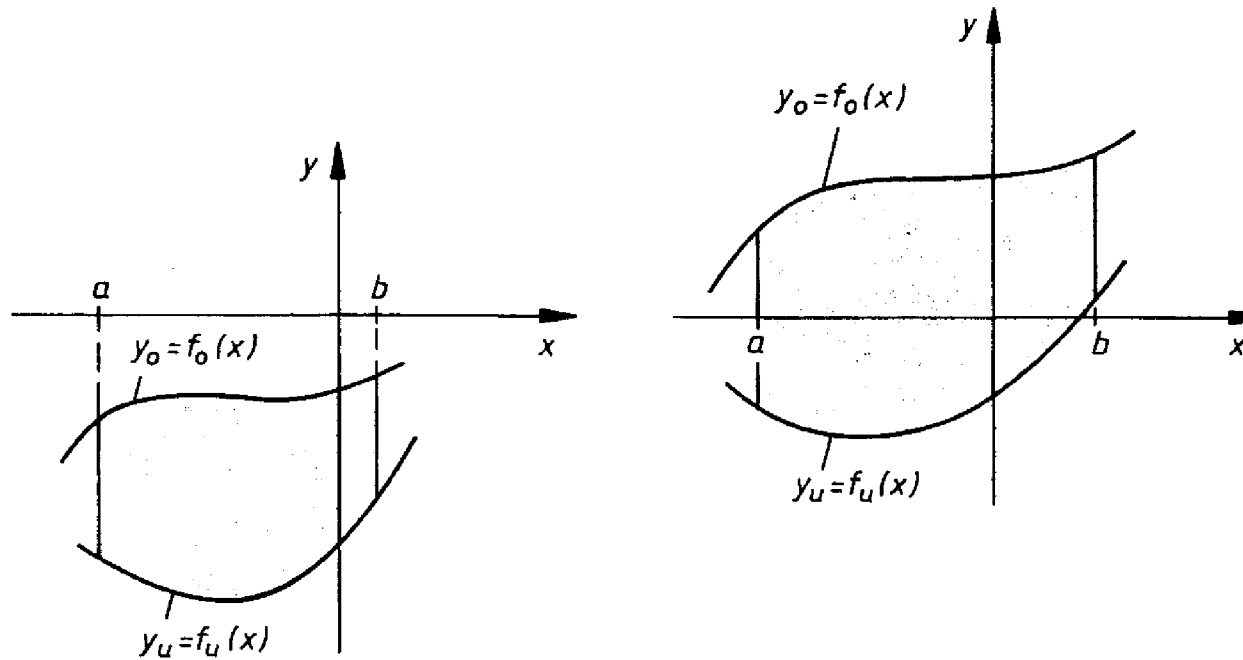
$$X = X(t_2) - X(t_1) = \int_{t_1}^{t_2} \dot{X}(t) dt$$

## Flächeninhalt zwischen zwei Kurven



$$A = \int_a^b f_o(x) - f_u(x) \, dx$$

# Flächeninhalt zwischen zwei Kurven



$$A = \int_a^b f_o(x) - f_u(x) \, dx$$