

Hauptsatz

$$I_a^{-1}(x) = f(x)$$

$$\int_a^b f(x) dx = [F(x)]_a^b = F(b) - F(a)$$

Integralfunktion

$$I_a(x) = \int_a^x f(u) du$$

Mittelwert

$$m = \frac{1}{b-a} \int_a^b f(x) dx$$

Bestandsfunktion

$$F(t) = F(t_0) + \int_{t_0}^t f(x) dx$$