

## Integrationsregeln

$$\int x^n dx = \frac{x^{n+1}}{n+1} + C \quad \text{für } n \neq -1$$

$$\int \frac{1}{x} dx = \int x^{-1} dx = \ln x + C$$

$$\int \sin(x) dx = -\cos(x) + C$$

$$\int \cos(x) dx = \sin(x) + C$$

$$\int e^x dx = e^x + C$$

$$\int c \cdot f(x) dx = c \cdot \int f(x) dx$$

$$\int (f(x) + g(x)) dx = \int f(x) dx + \int g(x) dx$$

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