

Potenzfunktionen

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

Exponentialfunktionen

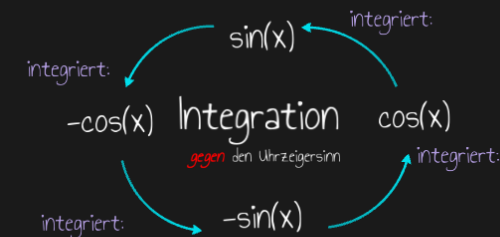
$$\int a^x dx = \frac{a^x}{\ln a} + C$$

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

Trigonometrische Funktionen

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

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



Logarithmusfunktionen

$$\int \ln x dx = -x + x \cdot \ln x + C$$

Spezielle Funktionen

$$\int \frac{f'(x)}{f(x)} dx = \ln|f(x)| + C$$

$$\int f(ax + b) dx = \frac{1}{a} F(ax + b)$$

$$\int f(x) \cdot e^{f(x)} dx = e^{f(x)} + C$$