Einige unbestimmte Integrale

$$\int x^n dx = \frac{x^{n+1}}{n+1} + \text{const} \qquad \text{fiir } x \in (-\infty, \infty), \ n \in \mathbb{Z}, \ n \geq 0$$

$$\int x^n dx = \frac{x^{n+1}}{n+1} + \text{const} \qquad \text{fiir } x \in (-\infty, 0) \cup (0, \infty), \ n \in \mathbb{Z}, \ n \leq -2$$

$$\int x^s dx = \frac{x^{s+1}}{s+1} + \text{const} \qquad \text{fiir } x \in (0, \infty), \ s \in \mathbb{C}, \ s \neq -1$$

$$\int \frac{1}{x} dx = \log |x| + \text{const} \qquad \text{fiir } x \in (-\infty, 0) \cup (0, \infty)$$

$$\int e^x dx = e^x + \text{const} \qquad \text{fiir } x \in (-\infty, \infty)$$

$$\int \log x dx = x \log x - x + \text{const} \qquad \text{fiir } x \in (-\infty, \infty)$$

$$\int \sin x dx = -\cos x + \text{const} \qquad \text{fiir } x \in (-\infty, \infty)$$

$$\int \frac{1}{\cos^2 x} dx = \tan x + \text{const} \qquad \text{fiir } x \in (-\infty, \infty)$$

$$\int \frac{1}{\sqrt{1-x^2}} dx = \arcsin x + \text{const} \qquad \text{fiir } x \in (-1, 1)$$

$$\int \frac{1}{\sqrt{1-x^2}} dx = \arcsin x + \text{const} \qquad \text{fiir } x \in (-1, 1)$$

$$\int \frac{1}{1+x^2} dx = \arctan x + \text{const} \qquad \text{fiir } x \in (-1, 1)$$

$$\int \frac{1}{1+x^2} dx = \arctan x + \text{const} \qquad \text{fiir } x \in (-\infty, \infty)$$

$$\int \sinh x dx = \cosh x + \text{const} \qquad \text{fiir } x \in (-\infty, \infty)$$

$$\int \cosh x dx = \sinh x + \text{const} \qquad \text{fiir } x \in (-\infty, \infty)$$

$$\int \frac{1}{\cosh^2 x} dx = \tanh x + \text{const} \qquad \text{fiir } x \in (-\infty, \infty)$$

$$\int \frac{1}{\sqrt{1+x^2}} dx = \tanh x + \text{const} \qquad \text{fiir } x \in (-\infty, \infty)$$

$$\int \frac{1}{\sqrt{1+x^2}} dx = \tanh x + \text{const} \qquad \text{fiir } x \in (-\infty, \infty)$$

$$\int \frac{1}{\sqrt{1+x^2}} dx = \arctan x + \text{const} \qquad \text{fiir } x \in (-\infty, \infty)$$

$$\int \frac{1}{\sqrt{1+x^2}} dx = \arctan x + \text{const} \qquad \text{fiir } x \in (-\infty, \infty)$$

$$\int \frac{1}{1-x^2} dx = \arctan x + \text{const} \qquad \text{fiir } x \in (-\infty, \infty)$$

$$\int \frac{1}{1-x^2} dx = \arctan x + \text{const} \qquad \text{fiir } x \in (-\infty, -1) \cup (1, \infty)$$

$$\int \frac{1}{1-x^2} dx = \arctan x + \text{const} \qquad \text{fiir } x \in (-\infty, -1) \cup (-1, 1) \cup (1, \infty)$$