An2 # 1 *Integral* *An2* # 2 *Integral* *An2* # 3 *Integral* *An2* # 4 *Integral*

$\int x^n dx$ $\int \frac{dx}{x}$ $\int e^x dx$ $\int a^x dx$

An2 # 5 *Integral* *An2* # 6 *Integral* *An2* # 7 *Integral* *An2* # 8 *Integral*

$\int sin(x)dx$ $\int cos(x)dx$ $\int tan(x)dx$ $\int cot(x)dx$

An2 # 9 *Integral* *An2* # 10 *Integral* *An2* # 11 *Integral* *An2* # 12 *Integral*

$\int \frac{dx}{cos^2(x)}$ $\int \frac{dx}{sin^2(x)}$ $\int sinh(x)dx$ $\int cosh(x)dx$

An2 # 13 *Integral* *An2* # 14 *Integral* *An2* # 15 *Integral* *An2* # 16 *Integral*

$\int tanh(x)dx$ $\int coth(x)dx$ $\int \frac{dx}{cosh^2(x)}$ $\int \frac{dx}{sinh^2(x)}$

4 *Antwort*

$$\frac{a^x}{ln(a)}$$

3 *Antwort*

$$e^x$$

2 *Antwort*

$$ln|x|$$

1 *Antwort*

$$\frac{x^{n+1}}{n+1}$$

8 *Antwort*

$$ln|sin(x)|$$

7 *Antwort*

$$-ln|cos(x)|$$

6 *Antwort*

$$sin(x)$$

5 *Antwort*

$$-cos(x)$$

12 *Antwort*

$$sinh(x)$$

11 *Antwort*

$$cosh(x)$$

10 *Antwort*

$$-cot(x)$$

9 *Antwort*

$$tan(x)$$

16 *Antwort*

$$-coth(x)$$

15 *Antwort*

$$tanh(x)$$

14 *Antwort*

$$ln|sinh(x)|$$

13 *Antwort*

$$ln|cosh(x)|$$

An2 # 17 *Integral* *An2* # 18 *Integral* *An2* # 19 *Integral* *An2* # 20 *Integral*

$$\int \frac{dx}{a^2 + x^2} \qquad \int \frac{dx}{a^2 - x^2} \qquad \int \frac{dx}{x^2 - a^2} \qquad \int \frac{dx}{\sqrt{a^2 - x^2}}$$

An2 # 21 *Integral* *An2* # 22 *Integral*

$$\int \frac{dx}{\sqrt{a^2 + x^2}} \qquad \int \frac{dx}{\sqrt{x^2 - a^2}}$$

20 *Antwort*

$$arcsin\left(\frac{x}{a}\right)$$

$$(|x| < a, a > 0)$$

19 *Antwort*

$$-\frac{1}{a}Arcoth\left(\frac{x}{a}\right) = \frac{1}{2a}ln\left|\frac{x-a}{x+a}\right|$$

$$(|x| > a, a > 0)$$

18 *Antwort*

$$\frac{1}{a}Artanh\left(\frac{x}{a}\right) = \frac{1}{2a}ln\left|\frac{a+x}{a-x}\right|$$

$$(|x| < a, a > 0)$$

17 *Antwort*

$$\frac{1}{a}arctan\left(\frac{x}{a}\right)$$

22 *Antwort*

$$Arcosh\left(\frac{x}{a}\right) = ln\left|x + \sqrt{x^2 - a^2}\right|$$

$$(|x| > a, a > 0)$$

21 *Antwort*

$$Arsinh\left(\frac{x}{a}\right) = ln\left|x + \sqrt{x^2 + a^2}\right|$$

$$(a > 0)$$