Integrals

SUMS

June 1, 2018

Level 1

Integral

$$\int \frac{1}{x(\ln(x))^2} \, dx$$

Integral

$$\int 2018^x$$

Integral

$$\int \frac{1}{x^2} \cos(\frac{1}{x})\,dx$$

Integral

$$\int x \sin(2x)\, dx$$

Integral

$$\int e^{e^x} e^x$$

Integral

$$\int \frac{e^x}{e^x + 1}\, dx$$

Integral

$$\int \frac{x^2}{1 + x^6} \, dx$$

Integral

$$\int \frac{1}{x^2 + 9}$$

Integral

$$\int e^{\sin^2(x)} \sin(2x)\, dx$$

Integral

$$\int x^2 e^x \, dx$$

Integral

$$\int \sin(x) \cos(\cos(x)) \, dx$$

Integral

$$\int \frac{x}{x^2 + 9}$$

Integral

$$\int \frac{1}{x^2\sqrt{4x^2 - 1}}\, dx$$

Integral

$$\int \sin^{-1}(x)\,dx$$

Integral

$$\int \sin^3(x)\,dx$$

Integral

$$\int \ln(x^2 + 6x + 5)\, dx$$

Integral

$$\int \frac{7 - \ln(x)}{x(3 + \ln(x))} \, dx$$

Integral

$$\int \frac{3}{\sqrt{4 - 9x^2}} \, dx$$

Integral

$$\int \frac{x}{1+x^4} \, dx$$

Integral

$$\int \frac{x}{x-1}$$

Integral

$$\int x \ln(x)\, dx$$

Integral

$$\int e^{(x+e^x)}\,dx$$

Integral

$$\int \frac{x}{(x+5)^2}$$

Integral

$$\int \frac{1}{\sqrt{x^2 + 25}}$$

Integral

$$\int 4x \ln x$$

Integral

$$\int \cos^3(x)\sin(x)dx$$

Integral

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

Integral

$$\int \frac{x+1}{x^2+2x+3}dx$$

Level 2

Integral

$$\int (\sin(x) + \cos(x))^2 \, dx$$

Integral

$$\int \frac{\ln(x)}{x}\,dx$$

Integral

$$\int \frac{1}{x(x-1)^2}$$

Integral

$$\int \frac{1 + e^x}{1 - e^x}\, dx$$

Integral

$$\int \sqrt{1-x^2}\,dx$$

Integral

$$\int \frac{e^x}{1 + e^{2x}} \, dx$$

Integral

$$\int \frac{7x + 5}{x^2 + x - 2}\, dx$$

Integral

$$\int \frac{1}{\sqrt{e^{2x} - 1}} \, dx$$

Integral

$$\int (\tan(x) + \cot(x))^2 \, dx$$

Integral

$$\int \frac{1}{(e^x + e^{-x})} \, dx$$

Integral

$$\int \frac{x^3 - 4x^2 + 2x - 3}{x + 2}$$

Integral

$$\int e^x \cos(x)\,dx$$

Integral

$$\int \frac{x}{x^2 - 2x + 16}\, dx$$

Integral

$$\int \frac{1}{(x+1)\sqrt{x}}\, dx$$

Integral

$$\int \frac{\sec^3(x) + e^{\sin(x)}}{\sec(x)} \, dx$$

Integral

$$\int \sin(4x) \cos(3x)\, dx$$

Integral

$$\int x^2 \ln(x)\, dx$$

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Level 3

Integral

$$\int x^3 e^{-x}\, dx$$

Integral

$$\int \sin^2(2x) + \sec(2x)\,dx$$

Integral

$$\int \frac{1}{x^2\sqrt{4x^2-1}}\, dx$$

Integral

$$\int \frac{1}{\cos^4(x)} \, dx$$

Integral

$$\int \frac{1+x^2}{1-x^2}$$

Integral

$$\int \tanh(x)$$

Integral

$$\int \frac{1}{1 + \sin(x) + \cos(x)} \, dx$$

Integral

$$\int \ln(x^2 - 1)\, dx$$

Integral

$$\int \frac{3}{2} \sin(2x) \left(\sin(x) + \cos(x) \right) \, dx$$

Level 4

Integral

$$\int 4\cos(x)\cos(2x)\sin(3x)\,dx$$

Integral

$$\int \frac{2\tan^{-1}(e^x)}{e^{2x}}\,dx$$

Integral

$$\int_{-1729}^{1729} \sin^5(x^3) + \sin^3(x^5) + x$$

Integral

$$\int \frac{1 - \sqrt{x}}{1 + \sqrt{x}} \, dx$$

Integral

$$\int \frac{2x - 3}{x^3 + x} \, dx$$

Integral

$$\int \frac{\sin^3(x)}{\cos(x) - \cos^3(x)} \, dx$$

Integral

$$\int \frac{x^2}{x^2 + 1} \, dx$$

Level 5

Integral

$$\int \frac{xe^x}{(e^x + 1)^2} \, dx$$

Integral

$$\int \frac{e^x x \ln(x) - x e^x}{x \ln^2(x)}$$

Integral

$$\int \frac{xe^x}{(e^x + 1)^2} \, dx$$

Integral

$$\int \frac{1}{\sin(x) + \cos(x)} \, dx$$

Integral

$$\int \sinh(x)\sin(x)$$

Integral

$$\int \sqrt{\frac{1+x}{1-x}}\, dx$$

Integral

$$\int \frac{2\sin^2(x)}{\cos^3(x)}$$

Integral

$$\int \frac{1 + \sin(x)}{1 + \cos(x)} \, dx$$

$$\int \frac{1 - \sin(x)}{1 + \cos(x)} \, dx$$