

$$\int x^4 + \frac{2}{\sqrt{x}} + \frac{1}{4x} + 4 dx = \frac{x^5}{5} + 4\sqrt{x} + \frac{1}{4}\ln(x) + 4x$$

$$\int x^2 \sqrt{1+x^3} dx = \frac{2(1+x^3)^{(3/2)}}{9}$$

$$\int x^{(5/2)} dx = \frac{2x^{(7/2)}}{7}$$

$$\int \frac{4}{1+x^2} dx = 4 \arctan(x)$$

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

$$\int \sin(t) \cos(t)^2 dx = -\frac{1}{3} \cos(t)^3$$

$$\int \frac{e^t}{4-2e^t} dx = -\frac{1}{2} \ln(4-2e^t)$$

$$\int \frac{1}{x \ln(x)} dx = \ln(\ln(x))$$

$$\int \frac{t}{1+t^4} dx = \frac{1}{2} \arctan(t^2)$$

$$\int \frac{\sin(t)}{1+\cos(t)^2} dx = -\arctan(\cos(t))$$

$$\int \frac{e^x}{\sqrt{1-e^{(2x)}}} dx = \arcsin(e^x)$$