

# Integrationsverfahren (Partielle Integration und Integration durch Substitution)

- $\int x(x-1) dx$
- $\int (x-2)(x^2) dx$
- $\int e^{2x+3} dx$
- $\int x\sqrt{(2x^2-5)} dx$
- $\int xe^x dx$
- $\int \ln x dx$
- $\int \sin^2 3x dx$
- $\int xe^{-x^2} dx$
- $\int \cos x \sin^2 x dx$
- $\int u(u+7)^9 du$
- $\int \frac{x^2}{(x^3+9)^5} dx$
- $\int \frac{\sin 2y}{1-\cos 2y} dy$
- $\int \frac{1}{2x+7} dx$
- $\int \sin 3x\sqrt{(1+\cos 3x)} dx$
- $\int x \sin 4x dx$
- $\int \frac{x+2}{x^2+4x-5} dx$
- $\int \frac{x+2}{(x^2+4x-5)^3} dx$
- $\int 3y\sqrt{(9-y^2)} dy$
- $\int e^{2x} \cos 3x dx$
- $\int \ln 5x dx$
- $\int \cos^3 2x dx$
- $\int \cos x e^{\sin x} dx$
- $\int \frac{\sin y}{\sqrt{(7+\cos y)}} dy$
- $\int x^2 e^x dx$
- $\int \frac{x}{x^2-4} dx$
- $\int \frac{x^2}{x^2-4} dx$
- $\int \frac{1}{x^2-4} dx$
- $\int x \ln x dx$
- $\int \cos^2 u \sin^3 u du$
- $\int \tan^2 \theta d\theta$
- $\int \frac{2-x}{1-x} dx$
- $\int \frac{\sec^2 x}{1-\tan x} dx$
- $\int x\sqrt{(7+x^2)} dx$
- $\int \sin(5\theta - \pi/4) d\theta$
- $\int \sec^2 u e^{\ln u} du$