

INTEGRALE

TEMA 2

INTEGRARE PRIN PĂRȚI

CALCULAȚI

$$\int x \cdot \ln x dx \quad \int x \cdot \log_3 x dx \quad \int \frac{1}{x^2} \cdot \ln x dx \quad \int \sqrt{x} \cdot \log_2 x dx$$
$$\int \ln \sqrt[5]{x^2} dx \quad \int \ln^2 x^2 dx \quad \int \log_8 \sqrt[3]{2x} dx \quad \int (x+2) \log_2 x dx$$
$$\int x \cdot e^x dx \quad \int x \cdot 2^x dx \quad \int (2x+1) \cdot 5^x dx \quad \int (x^2-3) \cdot e^x dx$$
$$\int (x+2) \cdot 3^{x+2} dx \quad \int x \cdot (e^{-x} + 1) \cdot e^x dx \quad \int x \cdot 2^{2x} dx$$
$$\int (4x+3) \cdot \sqrt{3^x} dx \quad \int x \cdot \cos x dx \quad \int (1-2x) \cdot \sin x dx$$
$$\int \frac{x \cdot \sin 2x}{\cos x} dx \quad \int x \cdot \sin^2 \frac{x}{2} dx \quad \int \arcsin x dx \quad \int \operatorname{arctg} x dx$$
$$\int x \cdot \operatorname{arctg} x dx \quad \int e^x \cdot \cos x dx \quad \int 2^x \cdot \sin x dx$$
$$\int 3^x \cdot \cos \frac{x}{2} \cdot \sin \frac{x}{2} dx \quad \int \sin^3 x dx \quad \int \cos 2x dx \quad \int \sqrt{x^2-4} dx$$
$$\int \sqrt{5-x^2} dx \quad \int \frac{x^2+9}{\sqrt{x^2+9}} dx \quad \int \sqrt{9x^2+4} dx$$