

Řešte integrály

- |      |                                       |      |   |      |   |
|------|---------------------------------------|------|---|------|---|
| 1 )  | $\int \frac{(x+2)^3}{x^3} dx$         | 2 )  | $\int \frac{x^4-1}{x+1} dx$                 | 3 )  | $\int e^{2-5x} dx$                        |
| 4 )  | $\int \frac{1}{(1+x^2) \arctan x} dx$ | 5 )  | $\int \sin\left(1 - \frac{3}{4}\right) dx$  | 6 )  | $\int \cos 3x dx$                         |
| 7 )  | $\int e^x \sin x dx$                  | 8 )  | $\int x \cos(4x + 3) dx$                    | 9 )  | $\int \ln 5x dx$                          |
| 10 ) | $\int x^4 \sin(x^5 - 1) dx$           | 11 ) | $\int 3x^2 e^{x^3} dx$                      | 12 ) | $\int \ln(2 - 3x) dx$                     |
| 13 ) | $\int \frac{2x+3}{x^2+x-2} dx$        | 14 ) | $\int \frac{x-1}{x^2+x+2} dx$               | 15 ) | $\int \frac{\sin^5 x}{\cos x} dx$         |
| 16 ) | $\int \frac{\sqrt{x}}{1+\sqrt{x}} dx$ | 17 ) | $\int \frac{1}{x\sqrt{x+1}} dx$             | 18 ) | $\int (4x - 3)^4 dx$                      |
| 19 ) | $\int_0^1 e^{3x} x dx$                | 20 ) | $\int_0^{\frac{\pi}{2}} x \cos x dx$        | 21 ) | $\int_1^4 \frac{1}{(1+\sqrt{x})^2} dx$    |
| 22 ) | $\int_1^5 \frac{\ln x}{x} dx$         | 23 ) | $\int_0^{\frac{\pi}{2}} \sin^2 x \cos x dx$ | 24 ) | $\int_{-1}^0 x(3 + x^2)^{\frac{1}{5}} dx$ |
| 25 ) | $\int_0^\pi e^x \sin e^x dx$          |      |   |      |   |