

100 интегралов

1. $\int \frac{dx}{\sqrt{2x-1}}$ 2. $\int \frac{dx}{(x+1)^2}$ 3. $\int 5^{2x-1} dx$ 4. $\int \sqrt{\frac{x+1}{x}} dx$ 5. $\int \frac{dx}{\cos^2(x-\frac{\pi}{4})}$ 6. $\int \frac{\ln x dx}{x}$ 7. $\int 3^x \cdot e^{x+1} dx$
8. $\int \frac{(1+\sqrt{x})^2}{x} dx$ 9. $\int \frac{\sqrt[3]{x^2}-x+1}{\sqrt{x}} dx$ 10. $\int \frac{3 \cdot 2^x - 2 \cdot 3^x}{5^{2x}} dx$ 11. $\int \frac{x^3}{(x+1)^2} dx$ 12. $\int \frac{xdx}{\sqrt{x^2+1}}$ 13. $\int \frac{dx}{2x-1}$
14. $\int (4x+1)^7 dx$ 15. $\int \sqrt[5]{(8-3x)^3} dx$ 16. $\int \sqrt[3]{x-5} dx$ 17. $\int e^{1-3x} dx$ 18. $\int \frac{dx}{1+9x^2}$ 19. $\int xe^{-x^2} dx$
20. $\int e^{5x-1} dx$ 21. $\int \frac{dx}{\sin^4 x + \cos^4 x}$ 22. $\int (\arcsin x + \arccos x) dx$ 23. $\int \frac{dx}{1+\cos^2 x}$ 24. $\int \frac{\cos 2x dx}{\sin^2 x \cos^2 x}$
25. $\int \operatorname{ctg}^2 x dx$ 26. $\int \frac{dx}{\cos^2 x - \cos 2x}$ 27. $\int \frac{1+\cos^2 x}{1+\cos 2x} dx$ 28. $\int \frac{\sin x dx}{\cos^3 x}$ 29. $\int \operatorname{tg} x dx$ 30. $\int \sin^2 3x dx$
31. $\int \frac{\sin 2x dx}{1+\cos^2 x}$ 32. $\int \cos x \cdot e^{\sin x} dx$ 33. $\int \sin^4 x dx$ 34. $\int \sin x \sin 5x dx$ 35. $\int \cos^3 x dx$ 36. $\int \cos^6 x dx$
37. $\int \frac{\cos 2x dx}{1+\sin x \cos x}$ 38. $\int \sin^5 x dx$ 39. $\int \frac{dx}{1+\sin^2 x}$ 40. $\int \frac{dx}{\cos x}$ 41. $\int \frac{dx}{\cos^4 x}$ 42. $\int \frac{dx}{3\sin^2 x + 4\cos^2 x}$
43. $\int \operatorname{ctg}\left(x - \frac{\pi}{8}\right) dx$ 44. $\int \frac{\cos x}{\sqrt[3]{\sin^2 x}} dx$ 45. $\int \sin 2x \cdot e^{\cos 2x} dx$ 46. $\int \frac{\sqrt{x} + \sqrt[3]{x}}{x} dx$ 47. $\int x\sqrt{1-x^2} dx$
48. $\int 3^{-x} dx$ 49. $\int \frac{x}{x^4+1} dx$ 50. $\int \sqrt{\frac{1-x}{1+x}} dx$ 51. $\int \frac{e^x dx}{e^{2x}+9}$ 52. $\int \frac{dx}{x \ln x}$ 53. $\int \frac{xdx}{x-\sqrt{x^2-1}}$
54. $\int x\sqrt[3]{1+xdx}$ 55. $\int \frac{dx}{1-4x^2}$ 56. $\int \frac{dx}{\sqrt{4-9x^2}}$ 57. $\int \frac{x\sqrt{1+x}}{\sqrt{1-x}} dx$ 58. $\int \frac{1+x}{\sqrt{1-x^2}} dx$
59. $\int \frac{1+x-x^2}{\sqrt{(1-x^2)^3}} dx$ 60. $\int x \cos x dx$ 61. $\int \arccos x dx$ 62. $\int x \operatorname{arctg} x dx$ 63. $\int x^2 e^x dx$ 64. $\int \ln x dx$
65. $\int \sqrt{x^2+1} dx$ 66. $\int e^{2x} \cdot \sin 3x dx$ 67. $\int \frac{3x-1}{x^2+9} dx$ 68. $\int \frac{dx}{(x^2+1)^2}$ 69. $\int \ln^2 x dx$ 70. $\int \frac{x^2 dx}{(x^2+1)^2}$
71. $\int \frac{x^3 dx}{\sqrt{x-1}}$ 72. $\int \frac{dx}{x\sqrt{x+1}}$ 73. $\int \frac{dx}{1+\sqrt{x}}$ 74. $\int \frac{dx}{\sqrt{x} + \sqrt[3]{x}}$ 75. $\int \frac{x^2 dx}{x+1}$ 76. $\int \frac{(3-4x)dx}{2x^2-3x+1}$
77. $\int \frac{(x-3)dx}{\sqrt{3-2x-x^2}}$ 78. $\int \frac{dx}{\sqrt{9x^2-6x+2}}$ 79. $\int \frac{\sqrt{x} dx}{\sqrt{2x+3}}$ 80. $\int \frac{dx}{x^4+x^2+1}$ 81. $\int \frac{\sqrt{x}}{1-\sqrt{x}} dx$
82. $\int \frac{dx}{x(x^2+1)}$ 83. $\int \sqrt{\frac{2x-1}{2x+3}} dx$ 84. $\int \frac{dx}{x^3-1}$ 85. $\int \frac{dx}{x^2(x^2+1)}$ 86. $\int \frac{dx}{(x+1)^2(x^2+1)}$
87. $\int \frac{(x^3-6)dx}{x^4+6x^2+8}$ 88. $\int \frac{x^3 dx}{(x^2-1)^2}$ 89. $\int \frac{x^5 dx}{(x^2-1)(x-1)^2}$ 90. $\int \frac{x^2 dx}{1-x^4}$ 91. $\int \sqrt{1-4x-x^2} dx$
92. $\int \sqrt{x^2-2x-1} dx$ 93. $\int \frac{dx}{2\sin x + 3\cos x}$ 94. $\int \frac{dx}{x^2(x+\sqrt{x^2+1})}$ 95. $\int \frac{x - \operatorname{arctg}^3 x dx}{1+x^2}$
96. $\int x\sqrt{x^2+2x} dx$ 97. $\int \frac{dx}{x-\sqrt{x^2-1}}$ 98. $\int \frac{\sqrt{1-x^2}}{x^2} dx$ 99. $\int \frac{dx}{\sqrt{\arccos x \cdot (1-x^2)}}$ 100. $\int \frac{1+x}{x(x+\ln x)} dx$