

Zadania

Obliczyć całki (zad. 15.22 - 15.83):

$$15.22. \int \left(5x^2 - 6x + 3 - \frac{2}{x} + \frac{5}{x^2} \right) dx.$$

$$15.23. \int \frac{(x^2-1)^3}{x} dx.$$

$$15.24. \int (x^2 - x + 1)(x^2 + x + 1) dx.$$

$$15.25. \int (x^2 + 4)^5 x dx.$$

$$15.26. \int \frac{x dx}{1+x^2}.$$

$$15.27. \int \frac{x dx}{(x^2+3)^6}.$$

$$15.28. \int \frac{x^2 dx}{a^3 + x^3}, a \neq 0.$$

$$15.29. \int \frac{x^3 \sqrt{x} + 4\sqrt{x}}{x^2} dx.$$

$$15.62. \int \frac{x^2 dx}{\sqrt{1-x^6}}.$$

$$15.63. \int \frac{dx}{(1+x^2) \operatorname{arctg} x}.$$

$$15.64. \int \frac{(\pi - \operatorname{arcsin} x) dx}{\sqrt{1-x^2}}.$$

$$15.65. \int \frac{x dx}{x^4 + 1}.$$

$$15.66. \int x^4(1+x)^3 dx.$$

$$15.67. \int x^2 e^x dx.$$

$$15.68. \int x^3 e^x dx.$$

$$15.69. \int x^4 e^{2x} dx.$$

$$15.70. \int x \cos x dx.$$

$$15.71. \int x^2 \cos x dx.$$

$$15.72. \int x^2 \sin 5x dx.$$

$$15.73. \int e^x \cos x dx.$$

$$15.74. \int e^{-2x} \sin 3x dx.$$

$$15.75. \int e^x \cos \frac{2}{3}x dx.$$

$$15.76. \int \sqrt{x} \ln x dx.$$

$$15.77. \int (\ln |x|)^3 dx.$$

$$15.78. \int \frac{(\ln |x|)^2}{x^5} dx.$$

$$15.79. \int \sqrt{x} (\ln |x|)^3 dx.$$

$$15.80. \int \frac{\ln |x|}{x^4} dx.$$

$$15.81. \int \frac{(\ln x)^2}{\sqrt{x}} dx.$$

$$15.82. \int x^3 (\ln x)^2 dx.$$

$$15.83. \int x^n \ln x dx, n \neq -1.$$

- 15.30. $\int \frac{x\sqrt{x}-x^4\sqrt{x}}{\sqrt[3]{x}} dx.$
- 15.31. $\int (3+2^4\sqrt{x})^3 dx.$
- 15.32. $\int \frac{\sqrt{x}-2\sqrt[3]{x^2}+4\sqrt[4]{5x^3}}{6\sqrt[3]{x}} dx.$
- 15.33. $\int \frac{3+5\sqrt[3]{x^2}}{\sqrt{x^3}} dx.$
- 15.34. $\int \sqrt{3x+1} dx.$
- 15.35. $\int \sqrt{a+bx} dx.$
- 15.36. $\int \frac{x dx}{\sqrt[3]{2x^2-1}}.$
- 15.37. $\int x\sqrt{1+x^2} dx.$
- 15.38. $\int \frac{x}{\sqrt{3-5x^2}} dx.$
- 15.39. $\int \frac{x-1}{\sqrt[3]{x+1}} dx.$
- 15.40. $\int \frac{x}{\sqrt{x^2-6}} dx.$
- 15.41. $\int \frac{x^2 dx}{\sqrt[5]{x^3+1}}.$
- 15.42. $\int \frac{e^{1/x}}{x^2} dx.$
- 15.43. $\int xe^{-x^2} dx.$
- 15.44. $\int \frac{dx}{2\cos^2 3x}.$
- 15.45. $\int x \sin(2x^2+1) dx.$
- 15.46. $\int \sin^5 x \cos x dx.$
- 15.47. $\int \frac{\cos x}{\sqrt{1+\sin x}} dx.$
- 15.48. $\int \frac{\sin x}{a+b \cos x} dx, b \neq 0.$
- 15.49. $\int \cos x \cdot e^{\sin x} dx.$
- 15.50. $\int \frac{x^3 dx}{\cos^2 x^4}.$
- 15.51. $\int \frac{\operatorname{tg} x}{\cos^2 x} dx.$
- 15.52. $\int \frac{x^2 dx}{\cos^2(x^3+1)}.$
- 15.53. $\int \frac{(\ln x)^2}{x} dx.$
- 15.54. $\int \frac{dx}{e^x+e^{-x}}.$
- 15.55. $\int \frac{e^x dx}{2e^x+1}.$
- 15.56. $\int x \ln(1+x^2) dx.$
- 15.57. $\int \frac{\sqrt{2+\ln|x|}}{x} dx.$
- 15.58. $\int 6^{1-x} dx.$
- 15.59. $\int \frac{dx}{x\sqrt{1-\ln^2|x|}}.$
- 15.60. $\int \frac{\ln|\operatorname{arctg} x| dx}{1+x^2}.$
- 15.61. $\int xe^{x^2}(x^2+1) dx.$

Zadania

Obliczyć całki (zad. 16.26 - 16.98):

- 16.26. $\int (2x+1)^3 dx.$
- 16.28. $\int \frac{3x-4}{x^2-x-6} dx.$
- 16.30. $\int \frac{x+13}{x^2-4x-5} dx.$
- 16.32. $\int \frac{6x-13}{x^2-\frac{7}{2}x+\frac{3}{2}} dx.$
- 16.34. $\int \frac{5x+11}{x^2+3x-10} dx.$
- 16.36. $\int \frac{dx}{x^2+2x-1}.$
- 16.38. $\int \frac{5+x}{10x+x^2} dx.$
- 16.40. $\int \frac{dx}{-5+6x-x^2}.$
- 16.42. $\int \frac{dx}{2x-3x^2}.$
- 16.44. $\int \frac{2x-1}{x^2-6x+9} dx.$
- 16.27. $\int \frac{dx}{(3x-2)^4}.$
- 16.29. $\int \frac{2x-3}{x^2-3x+3} dx.$
- 16.31. $\int \frac{2x+6}{2x^2+3x+1} dx.$
- 16.33. $\int \frac{4x-5}{2x^2-5x+3} dx.$
- 16.35. $\int \frac{\frac{5}{6}x-16}{x^2+3x-18} dx.$
- 16.37. $\int \frac{dx}{6x^2-13x+6}.$
- 16.39. $\int \frac{7x}{4+5x^2} dx.$
- 16.41. $\int \frac{dx}{1+x-x^2}.$
- 16.43. $\int \frac{3x+2}{x^2-x-2} dx.$
- 16.45. $\int \frac{x-1}{4x^2-4x+1} dx.$

$$16.46. \int \frac{2x-13}{(x-5)^2} dx.$$

$$16.48. \int \frac{dx}{2x^2-2x+5}.$$

$$16.50. \int \frac{dx}{13-6x+x^2}.$$

$$16.52. \int \frac{x+1}{x^2-x+1} dx.$$

$$16.54. \int \frac{2x-1}{x^2-2x+5} dx.$$

$$16.56. \int \frac{2x-20}{x^2-8x+25} dx.$$

$$16.58. \int \frac{x+6}{x^2-3} dx.$$

$$16.60. \int \frac{6x}{x^2+4x+13} dx.$$

$$16.62. \int \frac{4x-5}{x^2-6x+10} dx.$$

$$16.64. \int \frac{x^2}{5x^2+12} dx.$$

$$16.66. \int \frac{7x^2+7x-176}{x^3-9x^2+6x+56} dx.$$

$$16.68. \int \frac{3x^2-5x+2}{x^3-2x^2+3x-6} dx.$$

$$16.70. \int \frac{x^3+2x-6}{x^2-x-2} dx.$$

$$16.72. \int \frac{x^4}{x^2+1} dx.$$

$$16.74. \int \frac{2x^4-10x^3+21x^2-20x+5}{x^2-3x+2} dx.$$

$$16.75. \int \frac{x^2+5x+41}{(x+3)(x-1)(x-\frac{1}{2})} dx.$$

$$16.47. \int \frac{3x+1}{(x+2)^2} dx.$$

$$16.49. \int \frac{dx}{3x^2+2x+1}.$$

$$16.51. \int \frac{3dx}{9x^2-6x+2}.$$

$$16.53. \int \frac{4x-1}{2x^2-2x+1} dx.$$

$$16.55. \int \frac{2x-10}{x^2-2x+10} dx.$$

$$16.57. \int \frac{3x+4}{x^2+4x+8} dx.$$

$$16.59. \int \frac{x+6}{x^2+3} dx.$$

$$16.61. \int \frac{10x-44}{x^2-4x+20} dx.$$

$$16.63. \int \frac{5x}{2+3x} dx.$$

$$16.65. \int \frac{2x^2+7x+20}{x^2+6x+25} dx.$$

$$16.67. \int \frac{x^3-4x^2+1}{(x-2)^4} dx.$$

$$16.69. \int \frac{2x+1}{(x^2+1)^2} dx.$$

$$16.71. \int \frac{2x^3-19x^2+58x-42}{x^2-8x+16} dx.$$

$$16.73. \int \frac{72x^6}{3x^2+2} dx.$$

$$16.76. \int \frac{17x^2-x-26}{(x^2-1)(x^2-4)} dx$$

- 16.77. $\int \frac{2x}{(x^2+1)(x^2+3)} dx.$
- 16.78. $\int \frac{10x^3+110x+400}{(x^2-4x+29)(x^2-2x+5)} dx.$
- 16.79. $\int \frac{4x^3-2x^2+6x-13}{x^4+3x^2-4} dx.$
- 16.80. $\int \frac{10x^3+40x^2+40x+6}{x^4+6x^3+11x^2+6x} dx.$
- 16.81. $\int \frac{6x^3+4x+1}{x^4+x^2} dx.$
- 16.82. $\int \frac{dx}{x^3-a^2x}.$
- 16.83. $\int \frac{dx}{x^3+x^2+x}.$
- 16.84. $\int \frac{dx}{x^4+x^2+1}.$
- 16.85. $\int \frac{5x^3+3x^2+12x-12}{x^4-16} dx.$
- 16.86. $\int \frac{15x^2+66x+21}{(x-1)(x^2+4x+29)} dx.$
- 16.87. $\int \frac{4x^3+9x^2+4x+1}{x^4+3x^3+3x^2+x} dx.$
- 16.88. $\int \frac{dx}{x^3(x-1)^2(x+1)}.$
- 16.89. $\int \frac{dx}{(x^2+x+1)^2}.$
- 16.90. $\int \frac{3x^2-17x+21}{(x-2)^3} dx.$
- 16.91. $\int \frac{dx}{(x^2+4x+8)^3}.$
- 16.92. $\int \frac{x^3-2x^2+7x+4}{(x-1)^2(x+1)^2} dx.$
- 16.93. $\int \frac{dx}{x^4+64}.$
- 16.94. $\int \frac{5x^3-11x^2+5x+4}{(x-1)^4} dx.$
- 16.95. $\int \frac{dx}{x^4+6x^2+25}.$
- 16.96. $\int \frac{9x^4-3x^3-23x^2+30x-1}{(x-1)^4(x+3)} dx.$
- 16.97. $\int \frac{x^3-2x^2+5x-8}{x^4+8x^2+16} dx.$
- 16.98. $\int \frac{3x^2+x-2}{(x-1)^3(x^2+1)} dx.$

- 16.77. $\int \frac{2x}{(x^2+1)(x^2+3)} dx.$
- 16.78. $\int \frac{10x^3+110x+400}{(x^2-4x+29)(x^2-2x+5)} dx.$
- 16.79. $\int \frac{4x^3-2x^2+6x-13}{x^4+3x^2-4} dx.$
- 16.80. $\int \frac{10x^3+40x^2+40x+6}{x^4+6x^3+11x^2+6x} dx.$
- 16.81. $\int \frac{6x^3+4x+1}{x^4+x^2} dx.$
- 16.82. $\int \frac{dx}{x^3-a^2x}.$
- 16.83. $\int \frac{dx}{x^3+x^2+x}.$
- 16.84. $\int \frac{dx}{x^4+x^2+1}.$
- 16.85. $\int \frac{5x^3+3x^2+12x-12}{x^4-16} dx.$
- 16.86. $\int \frac{15x^2+66x+21}{(x-1)(x^2+4x+29)} dx.$
- 16.87. $\int \frac{4x^3+9x^2+4x+1}{x^4+3x^3+3x^2+x} dx.$
- 16.88. $\int \frac{dx}{x^3(x-1)^2(x+1)}.$
- 16.89. $\int \frac{dx}{(x^2+x+1)^2}.$
- 16.90. $\int \frac{3x^2-17x+21}{(x-2)^3} dx.$
- 16.91. $\int \frac{dx}{(x^2+4x+8)^3}.$
- 16.92. $\int \frac{x^3-2x^2+7x+4}{(x-1)^2(x+1)^2} dx.$
- 16.93. $\int \frac{dx}{x^4+64}.$
- 16.94. $\int \frac{5x^3-11x^2+5x+4}{(x-1)^4} dx.$
- 16.95. $\int \frac{dx}{x^4+6x^2+25}.$
- 16.96. $\int \frac{9x^4-3x^3-23x^2+30x-1}{(x-1)^4(x+3)} dx.$
- 16.97. $\int \frac{x^3-2x^2+5x-8}{x^4+8x^2+16} dx.$
- 16.98. $\int \frac{3x^2+x-2}{(x-1)^3(x^2+1)} dx.$

Zadania

Zadania

Obliczyć całki (zad. 17.51 - 17.123):

- 17.51. $\int \frac{(8x+3) dx}{\sqrt{4x^2+3x+1}}$
- 17.52. $\int \frac{(10x-15) dx}{\sqrt{36x^2-108x+77}}$
- 17.53. $\int \frac{dx}{\sqrt{2x-x^2}}$
- 17.54. $\int \frac{dx}{\sqrt{7-6x-x^2}}$
- 17.55. $\int \frac{dx}{\sqrt{1-9x^2}}$
- 17.56. $\int \frac{dx}{\sqrt{(2r-x)x}}$, $r > 0$.
- 17.57. $\int \frac{(x+3) dx}{\sqrt{1-4x^2}}$
- 17.58. $\int \frac{x dx}{\sqrt{1-2x-3x^2}}$
- 17.59. $\int \sqrt{1-4x^2} dx$
- 17.60. $\int \frac{6x+5}{\sqrt{6+x-x^2}} dx$
- 17.61. $\int \frac{x-5}{\sqrt{5+4x-x^2}} dx$
- 17.62. $\int \frac{x+1}{\sqrt{8+2x-x^2}} dx$
- 17.63. $\int \sqrt{6x-x^2} dx$
- 17.64. $\int \frac{2x-3}{\sqrt{3-2x-x^2}} dx$
- 17.65. $\int \frac{dx}{\sqrt{x^2+3x+2}}$
- 17.66. $\int \frac{dx}{\sqrt{4x^2+3x-1}}$
- 17.67. $\int \frac{dx}{\sqrt{x^2-x+m}}$, $m > \frac{1}{4}$
- 17.68. $\int \frac{dx}{\sqrt{(x-a)(x-3a)}}$, $a > 0$.
- 17.69. $\int \frac{(x+3) dx}{\sqrt{x^2+2x}}$
- 17.70. $\int \frac{(3x+2) dx}{\sqrt{x^2-5x+19}}$
- 17.71. $\int \frac{x+a}{\sqrt{x^2-ax}} dx$, $a > 0$.
- 17.72. $\int \frac{3x-2}{\sqrt{4x^2-4x+5}} dx$
- 17.73. $\int \frac{3x+2}{\sqrt{x^2-4x+5}} dx$
- 17.74. $\int \frac{3x-4}{\sqrt{4x^2+5x-8}} dx$
- 17.75. $\int \frac{5x+2}{\sqrt{2x^2+8x-1}} dx$
- 17.76. $\int \sqrt{2x+x^2} dx$
- 17.77. $\int \frac{5x-4}{\sqrt{3x^2-2x+1}} dx$
- 17.78. $\int \sqrt{3-2x-x^2} dx$

17.79. $\int \sqrt{x^2-4} dx.$

17.81. $\int \sqrt{x^2-3x+2} dx.$

17.83. $\int \frac{x^2 dx}{\sqrt{x^2+2x+2}}.$

17.85. $\int \frac{2ax^2+1}{\sqrt{ax^2+2x+1}} dx, a > 1.$

17.87. $\int \frac{2x^2-ax+a^2}{\sqrt{x^2+a^2}} dx, a \neq 0.$

17.89. $\int \frac{x^3+2x^2+x-1}{\sqrt{x^2+2x-1}} dx.$

17.91. $\int \frac{3x^3+2}{\sqrt{x^2+x+1}} dx.$

17.93. $\int x \sqrt{6+x-x^2} dx.$

17.95. $\int \frac{x^3+5x^2-3x+4}{\sqrt{x^2+x+1}} dx.$

17.97. $\int \frac{x^3+4x^2-6x+3}{\sqrt{5+6x-x^2}} dx.$

17.99. $\int (2x-5) \sqrt{2+3x-x^2} dx.$

17.101. $\int \frac{x^5 dx}{\sqrt{2x^2+3}}.$

17.103. $\int \frac{dx}{x \sqrt{10x-x^2}}.$

17.105. $\int \frac{dx}{(x+2) \sqrt{4-x^2}}.$

17.107. $\int \frac{dx}{x \sqrt{x^2-2x-1}}.$

17.109. $\int \frac{dx}{(x+1) \sqrt{1+2x-3x^2}}.$

17.80. $\int \sqrt{3x^2+10x+9} dx$

17.82. $\int \frac{x^2 dx}{\sqrt{1-x^2}}.$

17.84. $\int \sqrt{\frac{x}{1-x}} dx.$

17.86. $\int \frac{2x^2+3x+1}{\sqrt{x^2+1}} dx.$

17.88. $\int \frac{x^3-x+1}{\sqrt{x^2+2x+2}} dx.$

17.90. $\int \frac{x^3 dx}{\sqrt{x^2-4x+3}}$

17.92. $\int x^2 \sqrt{4x-x^2} dx.$

17.94. $\int \frac{x^4 dx}{\sqrt{5x^2+4}}.$

17.96. $\int \frac{5x^2-2x+10}{\sqrt{3x^2-5x+8}} dx.$

17.98. $\int x \sqrt{8+x-x^2} dx.$

17.100. $\int \frac{x^3 dx}{\sqrt{2x^2+3}}.$

17.102. $\int \frac{x^4 dx}{\sqrt{3+2x+x^2}}.$

17.104. $\int \frac{dx}{(x+1) \sqrt{x^2-1}}.$

17.106. $\int \frac{dx}{x \sqrt{x^2+x-1}}.$

17.108. $\int \frac{dx}{(2x-1) \sqrt{x^2-1}}.$

17.110. $\int \frac{dx}{(3-2x) \sqrt{x^2-4x+3}}.$

17.111.
$$\int \frac{dx}{x\sqrt{x^2+x+1}}.$$

17.113.
$$\int \frac{dx}{(a-x)\sqrt{a^2-x^2}}, \quad a > 0.$$

17.115.
$$\int \frac{dx}{x^2\sqrt{4-x^2}}.$$

17.117.
$$\int \frac{dx}{x^3\sqrt{x^2+1}}.$$

17.119.
$$\int \frac{dx}{(x-1)^3\sqrt{3-2x^2}}.$$

17.121.
$$\int \frac{dx}{x^3\sqrt{1+x^2}}.$$

17.123.
$$\int \frac{dx}{(x-2)^4\sqrt{1-4x+x^2}}.$$

17.112.
$$\int \frac{dx}{x\sqrt{x^2-1}}.$$

17.114.
$$\int \frac{dx}{(x-2)\sqrt{x^2-6x+1}}.$$

17.116.
$$\int \frac{dx}{(x-1)^2\sqrt{10x-x^2}}.$$

17.118.
$$\int \frac{dx}{x^3\sqrt{2x^2+2x+1}}.$$

17.120.
$$\int \frac{dx}{x^2\sqrt{1-4x+x^2}}.$$

17.122.
$$\int \frac{dx}{x^4\sqrt{3-2x+x^2}}.$$

Zadania

Obliczyć całki (zad. 18.30 - 18.87):

- 18.30. $\int \cos 5x \cos 7x dx$.
- 18.32. $\int \cos 2x \cos 3x dx$.
- 18.34. $\int \cos 2x \sin 4x dx$.
- 18.36. $\int \cos x \cos 3x dx$.
- 18.38. $\int \sin 5x \sin 2x dx$.
- 18.40. $\int \sin^4 x dx$.
- 18.42. $\int \cos^5 x dx$.
- 18.44. $\int \operatorname{tg}^5 x dx$.
- 18.46. $\int \operatorname{ctg}^6 x dx$.
- 18.48. $\int \sin^7 x \cos^6 x dx$.
- 18.50. $\int \sin^2 x \cos^2 x dx$.
- 18.52. $\int \sin^4 x \cos^5 x dx$.
- 18.54. $\int \sin x \operatorname{tg} x dx$.
- 18.56. $\int \frac{\sin x dx}{\sqrt[3]{1+2\cos x}}$.
- 18.58. $\int \frac{\sin 2x}{1+\sin^2 x} dx$.
- 18.60. $\int \frac{\cos^3 x}{\sin^2 x} dx$.
- 18.62. $\int \frac{dx}{\sin^3 x}$.
- 18.64. $\int \frac{dx}{\sin^4 x}$.
- 18.66. $\int \frac{dx}{\sin^7 x}$.
- 18.31. $\int \sin 3x \cos 2x dx$.
- 18.33. $\int \sin x \cos 3x dx$.
- 18.35. $\int \sin 2x \sin 5x dx$.
- 18.37. $\int \sin 3x \sin x dx$.
- 18.39. $\int \sin^3 x dx$.
- 18.41. $\int \cos^4 x dx$.
- 18.43. $\int \sin^5 x dx$.
- 18.45. $\int \operatorname{ctg}^4 x dx$.
- 18.47. $\int \sin^3 x \cos^4 x dx$.
- 18.49. $\int \sin^5 x \cos^2 x dx$.
- 18.51. $\int \sin^3 x \cos^3 x dx$.
- 18.53. $\int \frac{\cos x dx}{\sin^8 x}$.
- 18.55. $\int \frac{\cos x}{\sqrt[3]{\sin^2 x}} dx$.
- 18.57. $\int \frac{\sin 2x dx}{\sqrt{1+\cos^2 x}}$.
- 18.59. $\int \frac{\sin 2x dx}{\sqrt{1-\sin^4 x}}$.
- 18.61. $\int \frac{\sin^3 x + \cos^3 x}{\sin^2 x - \sin x \cos x + \cos^2 x} dx$.
- 18.63. $\int \frac{dx}{\cos^3 x}$.
- 18.65. $\int \frac{dx}{\cos^5 x}$.
- 18.67. $\int \frac{dx}{\sin^3 x \cos x}$.

$$18.68. \int \frac{dx}{\sin x \cos^3 x}.$$

$$18.70. \int \frac{dx}{\sin^2 x \cos^4 x}.$$

$$18.72. \int \frac{\sin^4 x dx}{\cos x}.$$

$$18.74. \int \frac{\sin^3 x dx}{\cos^8 x}.$$

$$18.76. \int \frac{dx}{5 + 4 \cos x}.$$

$$18.78. \int \frac{dx}{\sin x + \cos x}.$$

$$18.80. \int \frac{3 + \sin^2 x}{2 \cos^2 x - \cos^4 x} dx.$$

$$18.82. \int \frac{\sin^2 x - \cos^2 x}{\sin^4 x + \cos^4 x} dx.$$

$$18.84. \int \frac{dx}{(\sin^2 x + 3 \cos^2 x)^2}.$$

$$18.86. \int \frac{dx}{\sin^4 x + \cos^4 x}.$$

$$18.69. \int \frac{dx}{\sin^5 x \cos^3 x}.$$

$$18.71. \int \frac{\sin^4 x}{\cos^3 x} dx.$$

$$18.73. \int \frac{\cos^5 x dx}{\sin^3 x}.$$

$$18.75. \int \frac{\cos 2x dx}{\cos^3 x}.$$

$$18.77. \int \frac{dx}{1 + \sin x}.$$

$$18.79. \int \frac{\sin x \cos x dx}{\sin^4 x + \cos^4 x}.$$

$$18.81. \int \frac{\cos x + \sin x}{(\sin x - \cos x)^2} dx.$$

$$18.83. \int \frac{\sin x \cos x}{1 + \sin^4 x} dx.$$

$$18.85. \int \frac{\sin^2 x \cos^2 x}{\sin^8 x + \cos^8 x} dx.$$

$$18.87. \int \frac{dx}{1 - \sin^4 x}.$$

Zadania

Obliczyć całki (zad. 18.91-18.112);

18.91. $\int \frac{x^2}{\sqrt{1-x^2}} \arcsin x \, dx.$

18.93. $\int \frac{x^2}{1+x^2} \operatorname{arctg} x \, dx.$

18.95. $\int \frac{dx}{(1+4x^2)(\operatorname{arctg} 2x)^2}.$

18.97. $\int \frac{dx}{\sqrt{1-x^2} \arccos^2 x}.$

18.99. $\int \frac{x \operatorname{arctg} x \, dx}{(1+x^2)^2}.$

18.101. $\int x \arcsin x \, dx.$

18.103. $\int x^2 \operatorname{arctg} x \, dx.$

18.105. $\int \frac{\arcsin x \, dx}{x^2}.$

18.107. $\int x^3 \operatorname{arctg} x \, dx.$

18.109. $\int \frac{x \operatorname{arctg} x}{\sqrt{1+x^2}} \, dx.$

18.111. $\int x(1+x^2) \operatorname{arctg} x \, dx.$

18.92. $\int \frac{\arcsin x}{\sqrt{(1-x^2)^3}} \, dx.$

18.94. $\int \frac{dx}{(1+9x^2) \sqrt{\operatorname{arctg} 3x}}.$

18.96. $\int \frac{(\operatorname{arctg} x)^2}{x^2+1} \, dx.$

18.98. $\int \frac{dx}{\sqrt{1-x^2} \arcsin x}.$

18.100. $\int \frac{x \arcsin x \, dx}{(1-x^2)^{\frac{3}{2}}}.$

18.102. $\int \frac{x \operatorname{arctg} x \, dx}{(x^2-1)^2}.$

18.104. $\int \frac{\operatorname{arctg} e^{1/x}}{e^{1/x}(1+e^x)} \, dx.$

18.106. $\int \frac{\arcsin e^x}{e^x} \, dx.$

18.108. $\int (2x+3) \arccos(2x-3) \, dx.$

18.110. $\int \sqrt{1-x^2} \arcsin x \, dx.$

18.112. $\int \arcsin \frac{2\sqrt{x}}{1+x} \, dx.$

18.120. $\int \frac{dx}{e^{2x}-1}$.

18.122. $\int \sqrt{e^x+1} dx$.

18.124. $\int \frac{dx}{\sqrt{3+2e^x}}$.

18.126. $\int \frac{e^x}{(e^x-1)^2} dx$.

18.128. $\int \frac{e^x}{e^x+5} dx$.

18.130. $\int \frac{dx}{e^x+e^{2x}}$.

18.132. $\int \frac{e^x dx}{\sqrt{3-5e^{2x}}}$.

18.134. $\int x^3 e^{-x} dx$.

18.136. $\int \ln(x^2+1) dx$.

18.138. $\int \ln(x+\sqrt{x^2+1}) dx$.

18.140. $\int \frac{dx}{x(1+\ln^2|x|)}$.

18.142. $\int (4+3x)^2 \ln|x| dx$.

18.144. $\int xa^x dx, a > 1$.

18.121. $\int \frac{dx}{e^x+e^{-x}}$.

18.123. $\int \frac{e^x-1}{e^x+1} dx$.

18.125. $\int e^x \sqrt{1+e^x} dx$.

18.127. $\int (e^x+e^{-x})^2 dx$.

18.129. $\int \frac{4e^x+6e^{-x}}{9e^x-4e^{-x}} dx$.

18.131. $\int \frac{e^x}{(e^x+a)^n} dx$.

18.133. $\int \frac{dx}{\sqrt{e^{2x}+4e^x+1}}$.

18.135. $\int \frac{dx}{x \ln x}$.

18.137. $\int (\ln|x|)^2 dx$.

18.139. $\int \ln|2+5x| dx$.

18.141. $\int x^{-2} \ln|x| dx$.

18.143. $\int x^3 \ln(x^2+3) dx$.