



INTEGRALS

ELEMENTARY FORMS

- 1.
- 2.
- 3. , where
- 4. , where and are any functions of
- 5.
- 6.
- 7. , except
- 8. ,
- 9.
- 10. ,
- 11.
- 12.
- 13. ,
- 14.
- 15. ,
- 16.

**INTEGRALS (Continued)**

- 17.
- 18.
- 19.
- 20.
- 21.
- 22.

FORMS CONTAINING

For forms containing , but not listed in the table, the substitution may prove helpful.

- 23.
- 24.
- 25.

**INTEGRALS (Continued)**

- 26.
- 27.
- 28.
- 29.
- 30.
- 31.
- 32.
- 33.
- 34.
- 35.
- 36.

**INTEGRALS (Continued)**

- 37.
- 38.
- 39.
- 40.
- 41.
- 42.

FORMS CONTAINING

- 43.
- 44.
- 45.
- 46.
- 47.
- 48.
- 49.
- 50.
- 51.

**INTEGRALS (Continued)**

FORMS CONTAINING  $\sqrt{ax^2+bx+c}$  and

$\sqrt{ax+b}$

If  $\frac{c}{a} > \left(\frac{b}{2a}\right)^2$ , then

- 52.
- 53.
- 54.
- 55.
- 56.
- 57.
- 58.
- 59.

FORMS CONTAINING

- 60.
- 61.

**INTEGRALS (Continued)**

- 62.
- 63.
- 64.
- 65.
- 66.
- 67.
- 68.
- 69.
- 70.
- 71.
- 72.
- 73.
- 74.
- 75.

**INTEGRALS (Continued)**

- 76.
- 77.
- 78.
- 79.
- 80.
- 81.
- 82.
- 83.
- 84.
- 85.
- 86.
- 87.

**INTEGRALS (Continued)**

88.

FORMS CONTAINING

89.

90.

91.

92.

93.

94.

95.

10

**INTEGRALS (Continued)**

96.

97.

98.

99.

100.

101.

FORMS CONTAINING

102.

103.

104.

105.

106.

107.

108.

FORMS CONTAINING

and

If , then , and formulas starting with 23 should be used in place of these.

109.

110.

111.

112.

113.

114.

115.

116.

117.

118. ;

119.

120.

121.

122.

123.

FORMS CONTAINING

124.

125.

126.

127.

128.

129.

130.

131.

132.

133.

