



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.

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.

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

5

CRC Standard Mathematical Tables

INTEGRALS (Continued)

37.

38.

39.

40.

41.

42.

FORMS CONTAINING

43.

44.

45.

46.

47.

48.

49.

50.

51.

INTEGRALS (Continued)

FORMS CONTAINING  $\sqrt{a^2 + x^2}$  and

$$\frac{dx}{\sqrt{a^2 + x^2}}$$

If  $x = a \sinh u$ , then

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

FORMS CONTAINING  $\sqrt{a^2 - x^2}$

60.
61.

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





88.

FORMS CONTAINING

89.

90.

91.

92.

93.

94.

95.

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.

11

CRC Standard Mathematical Tables

INTEGRALS (Continued)

110.

111.

112.

113.

114.

115.

116.

117.

118. ;

119.

120.

121.

122.

12	<i>CRC Standard Mathematical Tables</i>
	<b>INTEGRALS (Continued))</b>
123.	
	FORMS CONTAINING
124.	
125.	
126.	
127.	
128.	
129.	
130.	
131.	
132.	
133.	

13

CRC Standard Mathematical Tables

INTEGRALS (Continued)

134.

135.

136.

137.

138.

139.

140.

141.

142.

143.