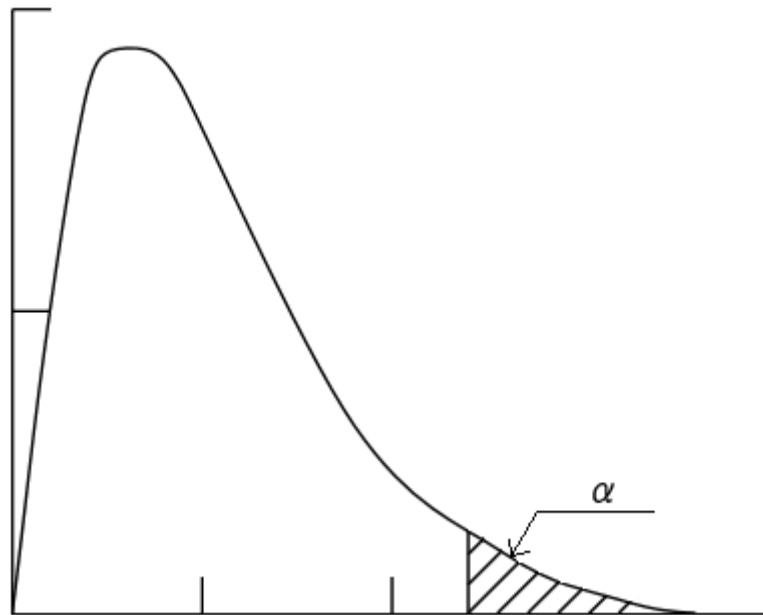


# X<sup>2</sup>分布表 x<sup>2</sup>(f,P)[片側]

- (JIS Z 9054) -



X<sup>2</sup>(f,α)

f \ P	1-α		α		f \ P	1-α		α	
	0.99	0.95	0.05	0.01		0.99	0.95	0.05	0.01
1	0.0 <sup>3</sup> 157	0.0 <sup>2</sup> 393	3.84	6.63	21	8.90	11.6	32.7	38.9
2	0.0201	0.103	5.99	9.21	22	9.54	12.3	33.9	40.3
3	0.115	0.352	7.81	11.3	23	10.2	13.1	35.2	41.6
4	0.297	0.711	9.49	13.3	24	10.9	13.8	36.4	43.0
5	0.554	1.15	11.1	15.1	25	11.5	14.6	37.7	44.3
6	0.872	1.64	12.6	16.8	26	12.2	15.4	38.9	45.6
7	1.24	2.17	14.1	18.5	27	12.9	16.2	40.1	47.0
8	1.65	2.73	15.5	20.1	28	13.6	16.9	41.3	48.3
9	2.09	3.33	16.9	21.7	29	14.3	17.7	42.6	49.6
10	2.56	3.94	18.3	23.2	30	15.0	18.5	43.8	50.9
11	3.05	4.57	19.7	24.7	31	15.7	19.3	45.0	52.2
12	3.57	5.23	21.0	26.2	32	16.4	20.1	46.2	53.5
13	4.11	5.89	22.4	27.7	33	17.1	20.9	47.4	54.8
14	4.66	6.57	23.7	29.1	34	17.8	21.7	48.6	56.1
15	5.23	7.26	25.0	30.6	35	18.5	22.5	49.8	57.3
16	5.81	7.96	26.3	32.0	36	19.2	23.3	51.0	58.6
17	6.41	8.67	27.6	33.4	37	20.0	24.1	52.2	59.9
18	7.01	9.39	28.9	34.8	38	20.7	24.9	53.4	61.2
19	7.63	10.1	30.1	36.2	39	21.4	25.7	54.6	62.4
20	8.26	10.9	31.4	37.6	40	22.2	26.5	55.8	63.7

f \ P	1-α		α		f \ P	1-α		α	
	0.99	0.95	0.05	0.01		0.99	0.95	0.05	0.01
41	22.9	27.3	56.9	65.0	71	46.2	52.6	91.7	101.6
42	23.7	28.1	58.1	66.2	72	47.1	53.5	92.8	102.8
43	24.4	29.0	59.3	67.5	73	47.9	54.3	93.9	104.0
44	25.1	29.8	60.5	68.7	74	48.7	55.2	95.1	105.2
45	25.9	30.6	61.7	70.0	75	49.5	56.1	96.2	106.4
46	26.7	31.4	62.8	71.7	76	50.3	56.9	97.4	107.6
47	27.4	32.3	64.0	72.4	77	51.1	57.8	98.5	108.8
48	28.2	33.1	65.2	73.7	78	51.9	58.7	99.6	110.0
49	28.9	33.9	66.3	74.9	79	52.7	59.5	100.7	111.1
50	29.7	34.8	67.5	76.2	80	53.5	60.4	101.9	112.3
51	30.5	35.6	68.7	77.4	81	54.4	61.3	103.0	113.5
52	31.2	36.4	69.8	78.6	82	55.2	62.1	104.1	114.7
53	32.0	37.3	71.0	79.8	83	56.0	63.0	105.3	115.9
54	32.8	38.1	72.2	81.1	84	56.8	63.9	106.4	117.1
55	33.6	39.0	73.3	82.3	85	57.6	64.7	107.5	118.2
56	34.3	39.8	74.5	83.5	86	58.5	65.6	108.6	119.4
57	35.1	40.6	75.6	84.7	87	59.3	66.5	109.8	120.6
58	35.9	41.5	76.8	86.0	88	60.1	67.4	110.9	121.8
59	36.7	42.3	77.9	87.2	89	60.9	68.2	112.0	122.9
60	37.5	43.2	79.1	88.4	90	61.8	69.1	113.1	124.1
61	38.3	44.0	80.2	89.6	91	62.6	70.0	114.3	125.3
62	39.1	44.9	81.4	90.8	92	63.4	70.9	115.4	126.5
63	39.9	45.7	82.5	92.0	93	64.2	71.8	116.5	127.6
64	40.6	46.6	83.7	93.2	94	65.1	72.6	117.6	128.8
65	41.4	47.4	84.8	94.4	95	65.9	73.5	118.8	130.0
66	42.2	48.3	86.0	95.6	96	66.7	74.4	119.9	131.1
67	43.0	49.2	87.1	96.8	97	67.6	75.3	121.0	132.3
68	43.8	50.0	88.3	98.0	98	68.4	76.2	122.1	133.5
69	44.6	50.9	89.4	99.2	99	69.2	77.0	123.2	134.6
70	45.4	51.7	90.5	100.4	100	70.1	77.9	124.3	135.8

$\chi^2(f, P)$ は自由度  $f$  のカイ乗分布で上側確立  $P$  に対する座標の値を表わす。

$f$  の値が 100 をこえる場合は、 $\chi^2(f, P) = \frac{1}{2} (K_p + \sqrt{2f-1})^2$  によって計算して求める。

ここに  $K_p$  はつぎの値である。

$P$	0.99	0.95	0.05	0.01
$K_p$	-2.33	-1.64	1.64	2.33