

Percentiles de la Distribución Chi-cuadrado $\chi^2(n)$

gl. \ $F(x)$	0,005	0,01	0,025	0,05	0,1	0,25	0,5	0,75	0,9	0,95	0,975	0,99	0,995
1	0,000	0,000	0,001	0,004	0,016	0,102	0,455	1,323	2,706	3,841	5,024	6,635	7,879
2	0,010	0,020	0,051	0,103	0,211	0,575	1,386	2,773	4,605	5,991	7,378	9,210	10,597
3	0,072	0,115	0,216	0,352	0,584	1,213	2,366	4,108	6,251	7,815	9,348	11,345	12,838
4	0,207	0,250	0,297	0,484	0,711	1,064	1,923	3,357	5,385	7,779	9,488	11,143	13,277
5	0,412	0,554	0,831	1,145	1,610	2,675	4,351	6,626	9,236	11,070	12,832	15,086	16,750
6	0,676	0,872	1,237	1,635	2,204	3,455	5,348	7,841	10,645	12,592	14,449	16,812	18,548
7	0,989	1,239	1,690	2,167	2,833	4,255	6,346	9,037	12,017	14,067	16,013	18,475	20,278
8	1,344	1,647	2,180	2,733	3,490	5,071	7,344	10,219	13,362	15,507	17,535	20,090	21,955
9	1,735	2,088	2,700	3,325	4,168	5,899	8,343	11,389	14,684	16,919	19,023	21,666	23,589
10	2,156	2,558	3,247	3,940	4,865	6,737	9,342	12,549	15,987	18,307	20,483	23,209	25,188
11	2,603	3,053	3,816	4,575	5,578	7,584	10,341	13,701	17,275	19,675	21,920	24,725	26,757
12	3,074	3,571	4,404	5,226	6,304	8,438	11,340	14,845	18,549	21,026	23,337	26,217	28,300
13	3,565	4,107	5,009	5,892	7,041	9,299	12,340	15,984	19,812	22,362	24,736	27,688	29,819
14	4,075	4,660	5,629	6,571	7,790	10,165	13,339	17,117	21,064	23,685	26,119	29,141	31,319
15	4,601	5,229	6,262	7,261	8,547	11,037	14,339	18,245	22,307	24,996	27,488	30,578	32,801
16	5,142	5,812	6,908	7,962	9,312	11,912	15,338	19,369	23,542	26,296	28,845	32,000	34,267
17	5,697	6,408	7,564	8,672	10,085	12,792	16,338	20,489	24,769	27,587	30,191	33,409	35,718
18	6,265	7,015	8,231	9,390	10,865	13,675	17,338	21,605	25,989	28,869	31,526	34,805	37,156
19	6,844	7,633	8,907	10,117	11,651	14,562	18,338	22,718	27,204	30,144	32,852	36,191	38,582
20	7,434	8,260	9,591	10,851	12,443	15,452	19,337	23,828	28,412	31,410	34,170	37,566	39,997
21	8,034	8,897	10,283	11,591	13,240	16,344	20,337	24,935	29,615	32,671	35,479	38,932	41,401
22	8,643	9,542	10,982	12,338	14,041	17,240	21,337	26,039	30,813	33,924	36,781	40,289	42,796
23	9,260	10,196	11,689	13,091	14,848	18,137	22,337	27,141	32,007	35,172	38,076	41,638	44,181
24	9,886	10,856	12,401	13,848	15,659	19,037	23,337	28,241	33,196	36,415	39,364	42,980	45,558
25	10,520	11,524	13,120	14,611	16,473	19,939	24,337	29,339	34,382	37,652	40,646	44,314	46,928
26	11,160	12,198	13,844	15,379	17,292	20,843	25,336	30,435	35,563	38,885	41,923	45,642	48,290
27	11,808	12,878	14,573	16,151	18,114	21,749	26,336	31,528	36,741	40,113	43,195	46,963	49,645
28	12,461	13,565	15,308	16,928	18,939	22,657	27,336	32,620	37,916	41,337	44,461	48,278	50,994
29	13,121	14,256	16,047	17,708	19,768	23,567	28,336	33,711	39,087	42,557	45,722	49,588	52,335
30	13,787	14,953	16,791	18,493	20,599	24,478	29,336	34,800	40,256	43,773	46,979	50,892	53,672
31	14,458	15,655	17,539	19,281	21,434	25,390	30,336	35,887	41,422	44,985	48,232	52,191	55,002
32	15,134	16,362	18,291	20,072	22,271	26,304	31,336	36,973	42,585	46,194	49,480	53,486	56,328
33	15,815	17,073	19,047	20,867	23,110	27,219	32,336	38,058	43,745	47,400	50,725	54,775	57,648
34	16,501	17,789	19,806	21,664	23,952	28,136	33,336	39,141	44,903	48,602	51,966	56,061	58,964
35	17,192	18,509	20,569	22,465	24,797	29,054	34,336	40,223	46,059	49,802	53,203	57,342	60,275
36	17,887	19,233	21,336	23,269	25,643	29,973	35,336	41,304	47,212	50,998	54,437	58,619	61,581
37	18,586	19,960	22,106	24,075	26,492	30,893	36,336	42,383	48,363	52,192	55,668	59,893	62,883
38	19,289	20,691	22,878	24,884	27,343	31,815	37,335	43,462	49,513	53,384	56,895	61,162	64,181
39	19,996	21,426	23,654	25,695	28,196	32,737	38,335	44,539	50,660	54,572	58,120	62,428	65,475
40	20,707	22,164	24,433	26,509	29,051	33,660	39,335	45,616	51,805	55,758	59,342	63,691	66,766
41	21,421	22,906	25,215	27,326	29,907	34,585	40,335	46,692	52,949	56,942	60,561	64,950	68,053
42	22,138	23,650	25,999	28,144	30,765	35,510	41,335	47,766	54,090	58,124	61,777	66,206	69,336
43	22,860	24,398	26,785	28,965	31,625	36,436	42,335	48,840	55,230	59,304	62,990	67,459	70,616
44	23,584	25,148	27,575	29,787	32,487	37,363	43,335	49,913	56,369	60,481	64,201	68,710	71,892
45	24,311	25,901	28,366	30,612	33,350	38,291	44,335	50,985	57,505	61,656	65,410	69,957	73,166
46	25,041	26,657	29,160	31,439	34,215	39,220	45,335	52,056	58,641	62,830	66,616	71,201	74,437
47	25,775	27,416	29,956	32,268	35,081	40,149	46,335	53,127	59,774	64,001	67,821	72,443	75,704
48	26,511	28,177	30,754	33,098	35,949	41,079	47,335	54,196	60,907	65,171	69,023	73,683	76,969
49	27,249	28,941	31,555	33,930	36,818	42,010	48,335	55,265	62,038	66,339	70,222	74,919	78,231

gl. \ $F(x)$	0,005	0,01	0,025	0,05	0,1	0,25	0,5	0,75	0,9	0,95	0,975	0,99	0,995
50	27,991	29,707	32,357	34,764	37,689	42,942	49,335	56,334	63,167	67,505	71,420	76,154	79,490
51	28,735	30,475	33,162	35,600	38,560	43,874	50,335	57,401	64,295	68,669	72,616	77,386	80,746
52	29,481	31,246	33,968	36,437	39,433	44,807	51,335	58,468	65,422	69,832	73,810	78,616	82,001
53	30,230	32,019	34,776	37,276	40,308	45,741	52,335	59,534	66,548	70,993	75,002	79,843	83,253
54	30,981	32,793	35,586	38,116	41,183	46,676	53,335	60,600	67,673	72,153	76,192	81,069	84,502
55	31,735	33,571	36,398	38,958	42,060	47,610	54,335	61,665	68,796	73,311	77,380	82,292	85,749
56	32,491	34,350	37,212	39,801	42,937	48,546	55,335	62,729	69,919	74,468	78,567	83,514	86,994
57	33,248	35,131	38,027	40,646	43,816	49,482	56,335	63,793	71,040	75,624	79,752	84,733	88,237
58	34,008	35,914	38,844	41,492	44,696	50,419	57,335	64,857	72,160	76,778	80,936	85,950	89,477
59	34,770	36,698	39,662	42,339	45,577	51,356	58,335	65,919	73,279	77,930	82,117	87,166	90,715
60	35,534	37,485	40,482	43,188	46,459	52,294	59,335	66,981	74,397	79,082	83,298	88,379	91,952
61	36,300	38,273	41,303	44,038	47,342	53,232	60,335	68,043	75,514	80,232	84,476	89,591	93,186
62	37,068	39,063	42,126	44,889	48,226	54,171	61,335	69,104	76,630	81,381	85,654	90,802	94,419
63	37,838	39,855	42,950	45,741	49,111	55,110	62,335	70,165	77,745	82,529	86,830	92,010	95,649
64	38,610	40,649	43,776	46,595	49,996	56,050	63,335	71,225	78,860	83,675	88,004	93,217	96,878
65	39,383	41,444	44,603	47,450	50,883	56,990	64,335	72,285	79,973	84,821	89,177	94,422	98,105
66	40,158	42,240	45,431	48,305	51,770	57,931	65,335	73,344	81,085	85,965	90,349	95,626	99,330
67	40,935	43,038	46,261	49,162	52,659	58,872	66,335	74,403	82,197	87,108	91,519	96,828	100,554
68	41,714	43,838	47,092	50,020	53,548	59,814	67,335	75,461	83,308	88,250	92,688	98,028	101,776
69	42,493	44,639	47,924	50,879	54,438	60,756	68,334	76,519	84,418	89,391	93,856	99,227	102,996
70	43,275	45,442	48,758	51,739	55,329	61,698	69,334	77,577	85,527	90,531	95,023	100,425	104,215
71	44,058	46,246	49,592	52,600	56,221	62,641	70,334	78,634	86,635	91,670	96,189	101,621	105,432
72	44,843	47,051	50,428	53,462	57,113	63,585	71,334	79,690	87,743	92,808	97,353	102,816	106,647
73	45,629	47,858	51,265	54,325	58,006	64,528	72,334	80,747	88,850	93,945	98,516	104,010	107,862
74	46,417	48,666	52,103	55,189	58,900	65,472	73,334	81,803	89,956	95,081	99,678	105,202	109,074
75	47,206	49,475	52,942	56,054	59,795	66,417	74,334	82,858	91,061	96,217	100,839	106,393	110,285
76	47,996	50,286	53,782	56,920	60,690	67,362	75,334	83,913	92,166	97,351	101,999	107,582	111,495
77	48,788	51,097	54,623	57,786	61,586	68,307	76,334	84,968	93,270	98,484	103,158	108,771	112,704
78	49,581	51,910	55,466	58,654	62,483	69,252	77,334	86,022	94,374	99,617	104,316	109,958	113,911
79	50,376	52,725	56,309	59,522	63,380	70,198	78,334	87,077	95,476	100,749	105,473	111,144	115,116
80	51,172	53,540	57,153	60,391	64,278	71,145	79,334	88,130	96,578	101,879	106,629	112,329	116,321
81	51,969	54,357	57,998	61,262	65,176	72,091	80,334	89,184	97,680	103,010	107,783	113,512	117,524
82	52,767	55,174	58,845	62,132	66,076	73,038	81,334	90,237	98,780	104,139	108,937	114,695	118,726
83	53,567	55,993	59,692	63,004	66,976	73,985	82,334	91,289	99,880	105,267	110,090	115,876	119,927
84	54,368	56,813	60,540	63,876	67,876	74,933	83,334	92,342	100,980	106,395	111,242	117,057	121,126
85	55,170	57,634	61,389	64,749	68,777	75,881	84,334	93,394	102,079	107,522	112,393	118,236	122,324
86	55,973	58,456	62,239	65,623	69,679	76,829	85,334	94,446	103,177	108,648	113,544	119,414	123,522
87	56,777	59,279	63,089	66,498	70,581	77,777	86,334	95,497	104,275	109,773	114,693	120,591	124,718
88	57,582	60,103	63,941	67,373	71,484	78,726	87,334	96,548	105,372	110,898	115,841	121,767	125,912
89	58,389	60,928	64,793	68,249	72,387	79,675	88,334	97,599	106,469	112,022	116,989	122,942	127,106
90	59,196	61,754	65,647	69,126	73,291	80,625	89,334	98,650	107,565	113,145	118,136	124,116	128,299
91	60,005	62,581	66,501	70,003	74,196	81,574	90,334	99,700	108,661	114,268	119,282	125,289	129,490
92	60,815	63,409	67,356	70,882	75,100	82,524	91,334	100,750	109,756	115,390	120,427	126,462	130,681
93	61,625	64,238	68,211	71,760	76,006	83,474	92,334	101,800	110,850	116,511	121,571	127,633	131,871
94	62,437	65,068	69,068	72,640	76,912	84,425	93,334	102,850	111,944	117,632	122,715	128,803	133,059
95	63,250	65,898	69,925	73,520	77,818	85,376	94,334	103,899	113,038	118,752	123,858	129,973	134,247
96	64,063	66,730	70,783	74,401	78,725	86,327	95,334	104,948	114,131	119,871	125,000	131,141	135,433
97	64,878	67,562	71,642	75,282	79,633	87,278	96,334	105,997	115,223	120,990	126,141	132,309	136,619
98	65,693	68,396	72,501	76,164	80,541	88,229	97,334	107,045	116,315	122,108	127,282	133,476	137,803
99	66,510	69,230	73,361	77,046	81,449	89,181	98,334	108,093	117,407	123,225	128,422	134,641	138,987
100	67,328	70,065	74,222	77,929	82,358	90,133	99,334	109,141	118,498	124,342	129,561	135,807	140,170