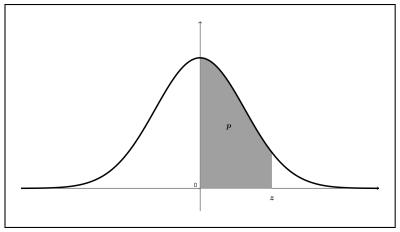
- Tabela da distribuição normal padrão – $p = \mathrm{P}(0 \leq Z \leq z)$
- Tabela da distribuição acumulada da normal padrão – $\Phi(z) = \mathrm{P}(Z \leq z),\ z \geq 0$
- Valores críticos $\chi^2_{n,\alpha}$ da qui-quadrado – $\mathrm{P}(\chi^2_n > \chi^2_{n,\alpha}) = \alpha$
- Valores críticos $t_{n;\alpha}$ da distribuição t – $\mathrm{P}(T_n > t_{n,\alpha}) = \alpha$
- Valores críticos f da distribuição $F - \alpha = 0,05 - \mathrm{P}(F_{n,m} > f) = 0,05$
- Valores críticos f da distribuição $F - \alpha = 0,025 - \mathrm{P}(F_{n,m} > f) = 0,025$
- Valores críticos f da distribuição $F - \alpha = 0,01 - \mathrm{P}(F_{n,m} > f) = 0,01$
- Valores críticos da distribuição da amplitude studentizada – $\alpha = 0,05$
- Valores críticos da distribuição da amplitude studentizada – $\alpha = 0,01$
- Valores críticos da distribuição das amplitudes múltiplas de Duncan – $\alpha = 0,05$
- Valores críticos da distribuição das amplitudes múltiplas de Duncan – $\alpha = 0,01$

Tabela da distribuição normal padrão

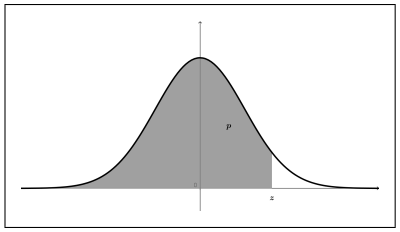
$p = \mathrm{P}(0 \leq Z \leq z)$



Casa inteira	2a. casa decimal									
e 1a.decimal	0	1	2	3	4	5	6	7	8	9
0,0	0,0000	0,0040	0,0080	0,0120	0,0160	0,0199	0,0239	0,0279	0,0319	0,0359
0,1	0,0398	0,0438	0,0478	0,0517	0,0557	0,0596	0,0636	0,0675	0,0714	0,0753
0,2	0,0793	0,0832	0,0871	0,0910	0,0948	0,0987	0,1026	0,1064	0,1103	0,1141
0,3	0,1179	0,1217	0,1255	0,1293	0,1331	0,1368	0,1406	0,1443	0,1480	0,1517
0,4	0,1554	0,1591	0,1628	0,1664	0,1700	0,1736	0,1772	0,1808	0,1844	0,1879
0,5	0,1915	0,1950	0,1985	0,2019	0,2054	0,2088	0,2123	0,2157	0,2190	0,2224
0,6	0,2257	0,2291	0,2324	0,2357	0,2389	0,2422	0,2454	0,2486	0,2517	0,2549
0,7	0,2580	0,2611	0,2642	0,2673	0,2704	0,2734	0,2764	0,2794	0,2823	0,2852
0,8	0,2881	0,2910	0,2939	0,2967	0,2995	0,3023	0,3051	0,3078	0,3106	0,3133
0,9	0,3159	0,3186	0,3212	0,3238	0,3264	0,3289	0,3315	0,3340	0,3365	0,3389
1,0	0,3413	0,3438	0,3461	0,3485	0,3508	0,3531	0,3554	0,3577	0,3599	0,3621
1,1	0,3643	0,3665	0,3686	0,3708	0,3729	0,3749	0,3770	0,3790	0,3810	0,3830
1,2	0,3849	0,3869	0,3888	0,3907	0,3925	0,3944	0,3962	0,3980	0,3997	0,4015
1,3	0,4032	0,4049	0,4066	0,4082	0,4099	0,4115	0,4131	0,4147	0,4162	0,4177
1,4	0,4192	0,4207	0,4222	0,4236	0,4251	0,4265	0,4279	0,4292	0,4306	0,4319
1,5	0,4332	0,4345	0,4357	0,4370	0,4382	0,4394	0,4406	0,4418	0,4429	0,4441
1,6	0,4452	0,4463	0,4474	0,4484	0,4495	0,4505	0,4515	0,4525	0,4535	0,4545
1,7	0,4554	0,4564	0,4573	0,4582	0,4591	0,4599	0,4608	0,4616	0,4625	0,4633
1,8	0,4641	0,4649	0,4656	0,4664	0,4671	0,4678	0,4686	0,4693	0,4699	0,4706
1,9	0,4713	0,4719	0,4726	0,4732	0,4738	0,4744	0,4750	0,4756	0,4761	0,4767
2,0	0,4772	0,4778	0,4783	0,4788	0,4793	0,4798	0,4803	0,4808	0,4812	0,4817
2,1	0,4821	0,4826	0,4830	0,4834	0,4838	0,4842	0,4846	0,4850	0,4854	0,4857
2,2	0,4861	0,4864	0,4868	0,4871	0,4875	0,4878	0,4881	0,4884	0,4887	0,4890
2,3	0,4893	0,4896	0,4898	0,4901	0,4904	0,4906	0,4909	0,4911	0,4913	0,4916
2,4	0,4918	0,4920	0,4922	0,4925	0,4927	0,4929	0,4931	0,4932	0,4934	0,4936
2,5	0,4938	0,4940	0,4941	0,4943	0,4945	0,4946	0,4948	0,4949	0,4951	0,4952
2,6	0,4953	0,4955	0,4956	0,4957	0,4959	0,4960	0,4961	0,4962	0,4963	0,4964
2,7	0,4965	0,4966	0,4967	0,4968	0,4969	0,4970	0,4971	0,4972	0,4973	0,4974
2,8	0,4974	0,4975	0,4976	0,4977	0,4977	0,4978	0,4979	0,4979	0,4980	0,4981
2,9	0,4981	0,4982	0,4982	0,4983	0,4984	0,4984	0,4985	0,4985	0,4986	0,4986
3,0	0,4987	0,4987	0,4987	0,4988	0,4988	0,4989	0,4989	0,4989	0,4990	0,4990
3,1	0,4990	0,4991	0,4991	0,4991	0,4992	0,4992	0,4992	0,4992	0,4993	0,4993
3,2	0,4993	0,4993	0,4994	0,4994	0,4994	0,4994	0,4994	0,4995	0,4995	0,4995
3,3	0,4995	0,4995	0,4995	0,4996	0,4996	0,4996	0,4996	0,4996	0,4996	0,4997
3,4	0,4997	0,4997	0,4997	0,4997	0,4997	0,4997	0,4997	0,4997	0,4997	0,4998
3,5	0,4998	0,4998	0,4998	0,4998	0,4998	0,4998	0,4998	0,4998	0,4998	0,4998
3,6	0,4998	0,4998	0,4999	0,4999	0,4999	0,4999	0,4999	0,4999	0,4999	0,4999
3,7	0,4999	0,4999	0,4999	0,4999	0,4999	0,4999	0,4999	0,4999	0,4999	0,4999
3,8	0,4999	0,4999	0,4999	0,4999	0,4999	0,4999	0,4999	0,4999	0,4999	0,4999
3,9	0,5000	0,5000	0,5000	0,5000	0,5000	0,5000	0,5000	0,5000	0,5000	0,5000
4,0	0,5000	0,5000	0,5000	0,5000	0,5000	0,5000	0,5000	0,5000	0,5000	0,5000

Tabela da distribuição acumulada da normal padrão

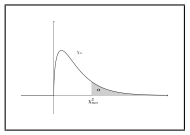
$p = \mathrm{P}(Z \leq z)$



Casa inteira	2a. casa decimal									
e 1a.decimal	0	1	2	3	4	5	6	7	8	9
0,0	0,5000	0,5040	0,5080	0,5120	0,5160	0,5199	0,5239	0,5279	0,5319	0,5359
0,1	0,5398	0,5438	0,5478	0,5517	0,5557	0,5596	0,5636	0,5675	0,5714	0,5753
0,2	0,5793	0,5832	0,5871	0,5910	0,5948	0,5987	0,6026	0,6064	0,6103	0,6141
0,3	0,6179	0,6217	0,6255	0,6293	0,6331	0,6368	0,6406	0,6443	0,6480	0,6517
0,4	0,6554	0,6591	0,6628	0,6664	0,6700	0,6736	0,6772	0,6808	0,6844	0,6879
0,5	0,6915	0,6950	0,6985	0,7019	0,7054	0,7088	0,7123	0,7157	0,7190	0,7224
0,6	0,7257	0,7291	0,7324	0,7357	0,7389	0,7422	0,7454	0,7486	0,7517	0,7549
0,7	0,7580	0,7611	0,7642	0,7673	0,7704	0,7734	0,7764	0,7794	0,7823	0,7852
0,8	0,7881	0,7910	0,7939	0,7967	0,7995	0,8023	0,8051	0,8078	0,8106	0,8133
0,9	0,8159	0,8186	0,8212	0,8238	0,8264	0,8289	0,8315	0,8340	0,8365	0,8389
1,0	0,8413	0,8438	0,8461	0,8485	0,8508	0,8531	0,8554	0,8577	0,8599	0,8621
1,1	0,8643	0,8665	0,8686	0,8708	0,8729	0,8749	0,8770	0,8790	0,8810	0,8830
1,2	0,8849	0,8869	0,8888	0,8907	0,8925	0,8944	0,8962	0,8980	0,8997	0,9015
1,3	0,9032	0,9049	0,9066	0,9082	0,9099	0,9115	0,9131	0,9147	0,9162	0,9177
1,4	0,9192	0,9207	0,9222	0,9236	0,9251	0,9265	0,9279	0,9292	0,9306	0,9319
1,5	0,9332	0,9345	0,9357	0,9370	0,9382	0,9394	0,9406	0,9418	0,9429	0,9441
1,6	0,9452	0,9463	0,9474	0,9484	0,9495	0,9505	0,9515	0,9525	0,9535	0,9545
1,7	0,9554	0,9564	0,9573	0,9582	0,9591	0,9599	0,9608	0,9616	0,9625	0,9633
1,8	0,9641	0,9649	0,9656	0,9664	0,9671	0,9678	0,9686	0,9693	0,9699	0,9706
1,9	0,9713	0,9719	0,9726	0,9732	0,9738	0,9744	0,9750	0,9756	0,9761	0,9767
2,0	0,9772	0,9778	0,9783	0,9788	0,9793	0,9798	0,9803	0,9808	0,9812	0,9817
2,1	0,9821	0,9826	0,9830	0,9834	0,9838	0,9842	0,9846	0,9850	0,9854	0,9857
2,2	0,9861	0,9864	0,9868	0,9871	0,9875	0,9878	0,9881	0,9884	0,9887	0,9890
2,3	0,9893	0,9896	0,9898	0,9901	0,9904	0,9906	0,9909	0,9911	0,9913	0,9916
2,4	0,9918	0,9920	0,9922	0,9925	0,9927	0,9929	0,9931	0,9932	0,9934	0,9936
2,5	0,9938	0,9940	0,9941	0,9943	0,9945	0,9946	0,9948	0,9949	0,9951	0,9952
2,6	0,9953	0,9955	0,9956	0,9957	0,9959	0,9960	0,9961	0,9962	0,9963	0,9964
2,7	0,9965	0,9966	0,9967	0,9968	0,9969	0,9970	0,9971	0,9972	0,9973	0,9974
2,8	0,9974	0,9975	0,9976	0,9977	0,9977	0,9978	0,9979	0,9979	0,9980	0,9981
2,9	0,9981	0,9982	0,9982	0,9983	0,9984	0,9984	0,9985	0,9985	0,9986	0,9986
3,0	0,9987	0,9987	0,9987	0,9988	0,9988	0,9989	0,9989	0,9989	0,9990	0,9990
3,1	0,9990	0,9991	0,9991	0,9991	0,9992	0,9992	0,9992	0,9992	0,9993	0,9993
3,2	0,9993	0,9993	0,9994	0,9994	0,9994	0,9994	0,9994	0,9995	0,9995	0,9995
3,3	0,9995	0,9995	0,9995	0,9996	0,9996	0,9996	0,9996	0,9996	0,9996	0,9997
3,4	0,9997	0,9997	0,9997	0,9997	0,9997	0,9997	0,9997	0,9997	0,9997	0,9998
3,5	0,9998	0,9998	0,9998	0,9998	0,9998	0,9998	0,9998	0,9998	0,9998	0,9998
3,6	0,9998	0,9998	0,9999	0,9999	0,9999	0,9999	0,9999	0,9999	0,9999	0,9999
3,7	0,9999	0,9999	0,9999	0,9999	0,9999	0,9999	0,9999	0,9999	0,9999	0,9999
3,8	0,9999	0,9999	0,9999	0,9999	0,9999	0,9999	0,9999	0,9999	0,9999	0,9999
3,9	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000
4,0	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000	1,0000

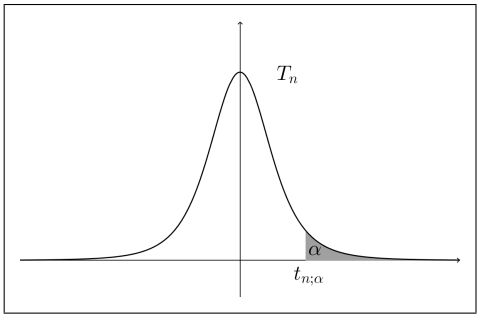
Valores críticos $\chi^2_{n,\alpha}$ da qui-quadrado

$\alpha = P(\chi^2_n > \chi^2_{n,\alpha})$



gl n	$\alpha =$	0,999	0,995	0,990	0,980	0,975	0,950	0,900	0,800	0,200	0,100	0,050	0,025	0,020	0,010	0,005	0,001
1		0,000	0,000	0,000	0,001	0,001	0,004	0,016	0,064	1,642	2,706	3,841	5,024	5,412	6,635	7,879	10,828
2		0,002	0,010	0,020	0,040	0,051	0,103	0,211	0,446	3,219	4,605	5,991	7,378	7,824	9,210	10,597	13,816
3		0,024	0,072	0,115	0,185	0,216	0,352	0,584	1,005	4,642	6,251	7,815	9,348	9,837	11,345	12,838	16,266
4		0,091	0,207	0,297	0,429	0,484	0,711	1,064	1,649	5,989	7,779	9,488	11,143	11,668	13,277	14,860	18,467
5		0,210	0,412	0,554	0,752	0,831	1,145	1,610	2,343	7,289	9,236	11,070	12,833	13,388	15,086	16,750	20,515
6		0,381	0,676	0,872	1,134	1,237	1,635	2,204	3,070	8,558	10,645	12,592	14,449	15,033	16,812	18,548	22,458
7		0,598	0,989	1,239	1,564	1,690	2,167	2,833	3,822	9,803	12,017	14,067	16,013	16,622	18,475	20,278	24,322
8		0,857	1,344	1,646	2,032	2,180	2,733	3,490	4,594	11,030	13,362	15,507	17,535	18,168	20,090	21,955	26,124
9		1,152	1,735	2,088	2,532	2,700	3,325	4,168	5,380	12,242	14,684	16,919	19,023	19,679	21,666	23,589	27,877
10		1,479	2,156	2,558	3,059	3,247	3,940	4,865	6,179	13,442	15,987	18,307	20,483	21,161	23,209	25,188	29,588
11		1,834	2,603	3,053	3,609	3,816	4,575	5,578	6,989	14,631	17,275	19,675	21,920	22,618	24,725	26,757	31,264
12		2,214	3,074	3,571	4,178	4,404	5,226	6,304	7,807	15,812	18,549	21,026	23,337	24,054	26,217	28,300	32,909
13		2,617	3,565	4,107	4,765	5,009	5,892	7,042	8,634	16,985	19,812	22,362	24,736	25,472	27,688	29,819	34,528
14		3,041	4,075	4,660	5,368	5,629	6,571	7,790	9,467	18,151	21,064	23,685	26,119	26,873	29,141	31,319	36,123
15		3,483	4,601	5,229	5,985	6,262	7,261	8,547	10,307	19,311	22,307	24,996	27,488	28,259	30,578	32,801	37,697
16		3,942	5,142	5,812	6,614	6,908	7,962	9,312	11,152	20,465	23,542	26,296	28,845	29,633	32,000	34,267	39,252
17		4,416	5,697	6,408	7,255	7,564	8,672	10,085	12,002	21,615	24,769	27,587	30,191	30,995	33,409	35,718	40,790
18		4,905	6,265	7,015	7,906	8,231	9,390	10,865	12,857	22,760	25,989	28,869	31,526	32,346	34,805	37,156	42,312
19		5,407	6,844	7,633	8,567	8,907	10,117	11,651	13,716	23,900	27,204	30,144	32,852	33,687	36,191	38,582	43,820
20		5,921	7,434	8,260	9,237	9,591	10,851	12,443	14,578	25,038	28,412	31,410	34,170	35,020	37,566	39,997	45,315
21		6,447	8,034	8,897	9,915	10,283	11,591	13,240	15,445	26,171	29,615	32,671	35,479	36,343	38,932	41,401	46,797
22		6,983	8,643	9,542	10,600	10,982	12,338	14,041	16,314	27,301	30,813	33,924	36,781	37,659	40,289	42,796	48,268
23		7,529	9,260	10,196	11,293	11,689	13,091	14,848	17,187	28,429	32,007	35,172	38,076	38,968	41,638	44,181	49,728
24		8,085	9,886	10,856	11,992	12,401	13,848	15,659	18,062	29,553	33,196	36,415	39,364	40,270	42,980	45,559	51,179
25		8,649	10,520	11,524	12,697	13,120	14,611	16,473	18,940	30,675	34,382	37,652	40,646	41,566	44,314	46,928	52,620
26		9,222	11,160	12,198	13,409	13,844	15,379	17,292	19,820	31,795	35,563	38,885	41,923	42,856	45,642	48,290	54,052
27		9,803	11,808	12,879	14,125	14,573	16,151	18,114	20,703	32,912	36,741	40,113	43,195	44,140	46,963	49,645	55,476
28		10,391	12,461	13,565	14,847	15,308	16,928	18,939	21,588	34,027	37,916	41,337	44,461	45,419	48,278	50,993	56,892
29		10,986	13,121	14,256	15,574	16,047	17,708	19,768	22,475	35,139	39,087	42,557	45,722	46,693	49,588	52,336	58,301
30		11,588	13,787	14,953	16,306	16,791	18,493	20,599	23,364	36,250	40,256	43,773	46,979	47,962	50,892	53,672	59,703

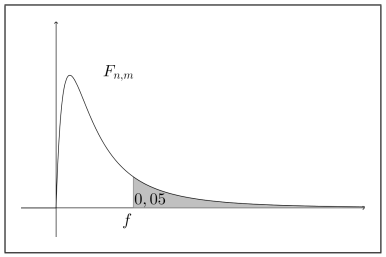
Valores críticos $t_{n;\alpha}$ da t-Student
$\alpha = \mathrm{P}(T_n > t_{n;\alpha})$



gl	Probabilidade α na cauda superior												
n	0,150	0,100	0,060	0,050	0,040	0,030	0,025	0,020	0,010	0,005	0,0025	0,002	0,001
1	1,963	3,078	5,242	6,314	7,916	10,579	12,706	15,895	31,821	63,657	127,321	159,153	318,309
2	1,386	1,886	2,620	2,920	3,320	3,896	4,303	4,849	6,965	9,925	14,089	15,764	22,327
3	1,250	1,638	2,156	2,353	2,605	2,951	3,182	3,482	4,541	5,841	7,453	8,053	10,215
4	1,190	1,533	1,971	2,132	2,333	2,601	2,776	2,999	3,747	4,604	5,598	5,951	7,173
5	1,156	1,476	1,873	2,015	2,191	2,422	2,571	2,757	3,365	4,032	4,773	5,030	5,893
6	1,134	1,440	1,812	1,943	2,104	2,313	2,447	2,612	3,143	3,707	4,317	4,524	5,208
7	1,119	1,415	1,770	1,895	2,046	2,241	2,365	2,517	2,998	3,499	4,029	4,207	4,785
8	1,108	1,397	1,740	1,860	2,004	2,189	2,306	2,449	2,896	3,355	3,833	3,991	4,501
9	1,100	1,383	1,718	1,833	1,973	2,150	2,262	2,398	2,821	3,250	3,690	3,835	4,297
10	1,093	1,372	1,700	1,812	1,948	2,120	2,228	2,359	2,764	3,169	3,581	3,716	4,144
11	1,088	1,363	1,686	1,796	1,928	2,096	2,201	2,328	2,718	3,106	3,497	3,624	4,025
12	1,083	1,356	1,674	1,782	1,912	2,076	2,179	2,303	2,681	3,055	3,428	3,550	3,930
13	1,079	1,350	1,664	1,771	1,899	2,060	2,160	2,282	2,650	3,012	3,372	3,489	3,852
14	1,076	1,345	1,656	1,761	1,887	2,046	2,145	2,264	2,624	2,977	3,326	3,438	3,787
15	1,074	1,341	1,649	1,753	1,878	2,034	2,131	2,249	2,602	2,947	3,286	3,395	3,733
16	1,071	1,337	1,642	1,746	1,869	2,024	2,120	2,235	2,583	2,921	3,252	3,358	3,686
17	1,069	1,333	1,637	1,740	1,862	2,015	2,110	2,224	2,567	2,898	3,222	3,326	3,646
18	1,067	1,330	1,632	1,734	1,855	2,007	2,101	2,214	2,552	2,878	3,197	3,298	3,610
19	1,066	1,328	1,628	1,729	1,850	2,000	2,093	2,205	2,539	2,861	3,174	3,273	3,579
20	1,064	1,325	1,624	1,725	1,844	1,994	2,086	2,197	2,528	2,845	3,153	3,251	3,552
21	1,063	1,323	1,621	1,721	1,840	1,988	2,080	2,189	2,518	2,831	3,135	3,231	3,527
22	1,061	1,321	1,618	1,717	1,835	1,983	2,074	2,183	2,508	2,819	3,119	3,214	3,505
23	1,060	1,319	1,615	1,714	1,832	1,978	2,069	2,177	2,500	2,807	3,104	3,198	3,485
24	1,059	1,318	1,612	1,711	1,828	1,974	2,064	2,172	2,492	2,797	3,091	3,183	3,467
25	1,058	1,316	1,610	1,708	1,825	1,970	2,060	2,167	2,485	2,787	3,078	3,170	3,450
26	1,058	1,315	1,608	1,706	1,822	1,967	2,056	2,162	2,479	2,779	3,067	3,158	3,435
27	1,057	1,314	1,606	1,703	1,819	1,963	2,052	2,158	2,473	2,771	3,057	3,147	3,421
28	1,056	1,313	1,604	1,701	1,817	1,960	2,048	2,154	2,467	2,763	3,047	3,136	3,408
29	1,055	1,311	1,602	1,699	1,814	1,957	2,045	2,150	2,462	2,756	3,038	3,127	3,396
30	1,055	1,310	1,600	1,697	1,812	1,955	2,042	2,147	2,457	2,750	3,030	3,118	3,385
31	1,054	1,309	1,599	1,696	1,810	1,952	2,040	2,144	2,453	2,744	3,022	3,109	3,375
32	1,054	1,309	1,597	1,694	1,808	1,950	2,037	2,141	2,449	2,738	3,015	3,102	3,365
33	1,053	1,308	1,596	1,692	1,806	1,948	2,035	2,138	2,445	2,733	3,008	3,094	3,356
34	1,052	1,307	1,595	1,691	1,805	1,946	2,032	2,136	2,441	2,728	3,002	3,088	3,348
35	1,052	1,306	1,594	1,690	1,803	1,944	2,030	2,133	2,438	2,724	2,996	3,081	3,340
36	1,052	1,306	1,593	1,688	1,802	1,942	2,028	2,131	2,434	2,719	2,990	3,075	3,333
37	1,051	1,305	1,592	1,687	1,800	1,940	2,026	2,129	2,431	2,715	2,985	3,070	3,326
38	1,051	1,304	1,591	1,686	1,799	1,939	2,024	2,127	2,429	2,712	2,980	3,064	3,319
39	1,050	1,304	1,590	1,685	1,798	1,937	2,023	2,125	2,426	2,708	2,976	3,059	3,313
40	1,050	1,303	1,589	1,684	1,796	1,936	2,021	2,123	2,423	2,704	2,971	3,055	3,307

Valores críticos f da distribuição $F_{n,m}$

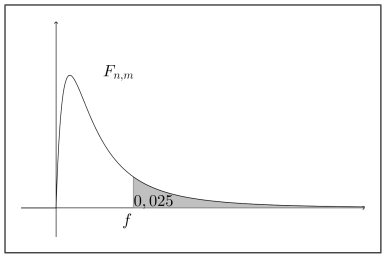
$P(F_{n,m} > f) = 0,05$



		GL numerador																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	161,45	199,50	215,71	224,58	230,16	233,99	236,77	238,88	240,54	241,88	242,98	243,91	244,69	245,36	245,95	246,46	246,92	247,32	247,69	248,01
	2	18,51	19,00	19,16	19,25	19,30	19,33	19,35	19,37	19,38	19,40	19,40	19,41	19,42	19,42	19,43	19,43	19,44	19,44	19,44	19,45
	3	10,13	9,55	9,28	9,12	9,01	8,94	8,89	8,85	8,81	8,79	8,76	8,74	8,73	8,71	8,70	8,69	8,68	8,67	8,67	8,66
	4	7,71	6,94	6,59	6,39	6,26	6,16	6,09	6,04	6,00	5,96	5,94	5,91	5,89	5,87	5,86	5,84	5,83	5,82	5,81	5,80
G	5	6,61	5,79	5,41	5,19	5,05	4,95	4,88	4,82	4,77	4,74	4,70	4,68	4,66	4,64	4,62	4,60	4,59	4,58	4,57	4,56
L	6	5,99	5,14	4,76	4,53	4,39	4,28	4,21	4,15	4,10	4,06	4,03	4,00	3,98	3,96	3,94	3,92	3,91	3,90	3,88	3,87
	7	5,59	4,74	4,35	4,12	3,97	3,87	3,79	3,73	3,68	3,64	3,60	3,57	3,55	3,53	3,51	3,49	3,48	3,47	3,46	3,44
d	8	5,32	4,46	4,07	3,84	3,69	3,58	3,50	3,44	3,39	3,35	3,31	3,28	3,26	3,24	3,22	3,20	3,19	3,17	3,16	3,15
e	9	5,12	4,26	3,86	3,63	3,48	3,37	3,29	3,23	3,18	3,14	3,10	3,07	3,05	3,03	3,01	2,99	2,97	2,96	2,95	2,94
n	10	4,96	4,10	3,71	3,48	3,33	3,22	3,14	3,07	3,02	2,98	2,94	2,91	2,89	2,86	2,85	2,83	2,81	2,80	2,79	2,77
o	11	4,84	3,98	3,59	3,36	3,20	3,09	3,01	2,95	2,90	2,85	2,82	2,79	2,76	2,74	2,72	2,70	2,69	2,67	2,66	2,65
m	12	4,75	3,89	3,49	3,26	3,11	3,00	2,91	2,85	2,80	2,75	2,72	2,69	2,66	2,64	2,62	2,60	2,58	2,57	2,56	2,54
i	13	4,67	3,81	3,41	3,18	3,03	2,92	2,83	2,77	2,71	2,67	2,63	2,60	2,58	2,55	2,53	2,51	2,50	2,48	2,47	2,46
n	14	4,60	3,74	3,34	3,11	2,96	2,85	2,76	2,70	2,65	2,60	2,57	2,53	2,51	2,48	2,46	2,44	2,43	2,41	2,40	2,39
a	15	4,54	3,68	3,29	3,06	2,90	2,79	2,71	2,64	2,59	2,54	2,51	2,48	2,45	2,42	2,40	2,38	2,37	2,35	2,34	2,33
d	16	4,49	3,63	3,24	3,01	2,85	2,74	2,66	2,59	2,54	2,49	2,46	2,42	2,40	2,37	2,35	2,33	2,32	2,30	2,29	2,28
o	17	4,45	3,59	3,20	2,96	2,81	2,70	2,61	2,55	2,49	2,45	2,41	2,38	2,35	2,33	2,31	2,29	2,27	2,26	2,24	2,23
r	18	4,41	3,55	3,16	2,93	2,77	2,66	2,58	2,51	2,46	2,41	2,37	2,34	2,31	2,29	2,27	2,25	2,23	2,22	2,20	2,19
	19	4,38	3,52	3,13	2,90	2,74	2,63	2,54	2,48	2,42	2,38	2,34	2,31	2,28	2,26	2,23	2,21	2,20	2,18	2,17	2,16
	20	4,35	3,49	3,10	2,87	2,71	2,60	2,51	2,45	2,39	2,35	2,31	2,28	2,25	2,22	2,20	2,18	2,17	2,15	2,14	2,12
	21	4,32	3,47	3,07	2,84	2,68	2,57	2,49	2,42	2,37	2,32	2,28	2,25	2,22	2,20	2,18	2,16	2,14	2,12	2,11	2,10
	22	4,3	3,44	3,05	2,82	2,66	2,55	2,46	2,4	2,34	2,3	2,26	2,23	2,20	2,17	2,15	2,13	2,11	2,10	2,08	2,07
	23	4,28	3,42	3,03	2,8	2,64	2,53	2,44	2,37	2,32	2,27	2,24	2,2	2,18	2,15	2,13	2,11	2,09	2,08	2,06	2,05
	24	4,26	3,40	3,01	2,78	2,62	2,51	2,42	2,36	2,30	2,25	2,22	2,18	2,15	2,13	2,11	2,09	2,07	2,05	2,04	2,03
	25	4,24	3,39	2,99	2,76	2,60	2,49	2,40	2,34	2,28	2,24	2,20	2,16	2,14	2,11	2,09	2,07	2,05	2,04	2,02	2,01

Valores críticos f da distribuição $F_{n,m}$

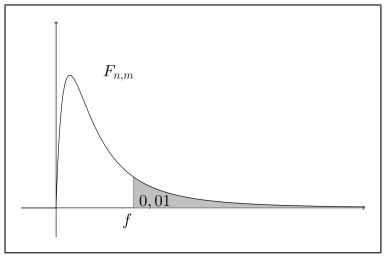
$P(F_{n,m} > f) = 0,025$



		GL numerador																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	647,79	799,50	864,16	899,58	921,85	937,11	948,22	956,66	963,28	968,63	973,03	976,71	979,84	982,53	984,87	986,92	988,73	990,35	991,80	993,10
	2	38,51	39,00	39,17	39,25	39,30	39,33	39,36	39,37	39,39	39,40	39,41	39,41	39,42	39,43	39,43	39,44	39,44	39,44	39,45	39,45
	3	17,44	16,04	15,44	15,10	14,88	14,73	14,62	14,54	14,47	14,42	14,37	14,34	14,30	14,28	14,25	14,23	14,21	14,20	14,18	14,17
	4	12,22	10,65	9,98	9,60	9,36	9,20	9,07	8,98	8,90	8,84	8,79	8,75	8,71	8,68	8,66	8,63	8,61	8,59	8,58	8,56
G	5	10,01	8,43	7,76	7,39	7,15	6,98	6,85	6,76	6,68	6,62	6,57	6,52	6,49	6,46	6,43	6,40	6,38	6,36	6,34	6,33
L	6	8,81	7,26	6,60	6,23	5,99	5,82	5,70	5,60	5,52	5,46	5,41	5,37	5,33	5,30	5,27	5,24	5,22	5,20	5,18	5,17
	7	8,07	6,54	5,89	5,52	5,29	5,12	4,99	4,90	4,82	4,76	4,71	4,67	4,63	4,60	4,57	4,54	4,52	4,50	4,48	4,47
d	8	7,57	6,06	5,42	5,05	4,82	4,65	4,53	4,43	4,36	4,30	4,24	4,20	4,16	4,13	4,10	4,08	4,05	4,03	4,02	4,00
e	9	7,21	5,71	5,08	4,72	4,48	4,32	4,20	4,10	4,03	3,96	3,91	3,87	3,83	3,80	3,77	3,74	3,72	3,70	3,68	3,67
n	10	6,94	5,46	4,83	4,47	4,24	4,07	3,95	3,85	3,78	3,72	3,66	3,62	3,58	3,55	3,52	3,50	3,47	3,45	3,44	3,42
o	11	6,72	5,26	4,63	4,28	4,04	3,88	3,76	3,66	3,59	3,53	3,47	3,43	3,39	3,36	3,33	3,30	3,28	3,26	3,24	3,23
m	12	6,55	5,10	4,47	4,12	3,89	3,73	3,61	3,51	3,44	3,37	3,32	3,28	3,24	3,21	3,18	3,15	3,13	3,11	3,09	3,07
i	13	6,41	4,97	4,35	4,00	3,77	3,60	3,48	3,39	3,31	3,25	3,20	3,15	3,12	3,08	3,05	3,03	3,00	2,98	2,96	2,95
n	14	6,30	4,86	4,24	3,89	3,66	3,50	3,38	3,29	3,21	3,15	3,09	3,05	3,01	2,98	2,95	2,92	2,90	2,88	2,86	2,84
a	15	6,20	4,77	4,15	3,80	3,58	3,41	3,29	3,20	3,12	3,06	3,01	2,96	2,92	2,89	2,86	2,84	2,81	2,79	2,77	2,76
d	16	6,12	4,69	4,08	3,73	3,50	3,34	3,22	3,12	3,05	2,99	2,93	2,89	2,85	2,82	2,79	2,76	2,74	2,72	2,70	2,68
o	17	6,04	4,62	4,01	3,66	3,44	3,28	3,16	3,06	2,98	2,92	2,87	2,82	2,79	2,75	2,72	2,70	2,67	2,65	2,63	2,62
r	18	5,98	4,56	3,95	3,61	3,38	3,22	3,10	3,01	2,93	2,87	2,81	2,77	2,73	2,70	2,67	2,64	2,62	2,60	2,58	2,56
	19	5,92	4,51	3,90	3,56	3,33	3,17	3,05	2,96	2,88	2,82	2,76	2,72	2,68	2,65	2,62	2,59	2,57	2,55	2,53	2,51
	20	5,87	4,46	3,86	3,51	3,29	3,13	3,01	2,91	2,84	2,77	2,72	2,68	2,64	2,60	2,57	2,55	2,52	2,5	2,48	2,46
	21	5,83	4,42	3,82	3,48	3,25	3,09	2,97	2,87	2,80	2,73	2,68	2,64	2,60	2,56	2,53	2,51	2,48	2,46	2,44	2,42
	22	5,79	4,38	3,78	3,44	3,22	3,05	2,93	2,84	2,76	2,70	2,65	2,60	2,56	2,53	2,50	2,47	2,45	2,43	2,41	2,39
	23	5,75	4,35	3,75	3,41	3,18	3,02	2,90	2,81	2,73	2,67	2,62	2,57	2,53	2,50	2,47	2,44	2,42	2,39	2,37	2,36
	24	5,72	4,32	3,72	3,38	3,15	2,99	2,87	2,78	2,70	2,64	2,59	2,54	2,50	2,47	2,44	2,41	2,39	2,36	2,35	2,33
	25	5,69	4,29	3,69	3,35	3,13	2,97	2,85	2,75	2,68	2,61	2,56	2,51	2,48	2,44	2,41	2,38	2,36	2,34	2,32	2,30

Valores críticos f da distribuição $F_{n,m}$

$P(F_{n,m} > f) = 0,01$



		GL numerador																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	4052,18	4999,50	5403,35	5624,58	5763,65	5858,99	5928,36	5981,07	6022,47	6055,85	6083,32	6106,32	6125,86	6142,67	6157,28	6170,10	6181,43	6191,53	6200,58	6208,73
	2	98,50	99,00	99,17	99,25	99,30	99,33	99,36	99,37	99,39	99,40	99,41	99,42	99,42	99,43	99,43	99,44	99,44	99,44	99,45	99,45
	3	34,12	30,82	29,46	28,71	28,24	27,91	27,67	27,49	27,35	27,23	27,13	27,05	26,98	26,92	26,87	26,83	26,79	26,75	26,72	26,69
	4	21,20	18,00	16,69	15,98	15,52	15,21	14,98	14,80	14,66	14,55	14,45	14,37	14,31	14,25	14,20	14,15	14,11	14,08	14,05	14,02
G	5	16,26	13,27	12,06	11,39	10,97	10,67	10,46	10,29	10,16	10,05	9,96	9,89	9,82	9,77	9,72	9,68	9,64	9,61	9,58	9,55
L	6	13,75	10,92	9,78	9,15	8,75	8,47	8,26	8,10	7,98	7,87	7,79	7,72	7,66	7,60	7,56	7,52	7,48	7,45	7,42	7,40
	7	12,25	9,55	8,45	7,85	7,46	7,19	6,99	6,84	6,72	6,62	6,54	6,47	6,41	6,36	6,31	6,28	6,24	6,21	6,18	6,16
d	8	11,26	8,65	7,59	7,01	6,63	6,37	6,18	6,03	5,91	5,81	5,73	5,67	5,61	5,56	5,52	5,48	5,44	5,41	5,38	5,36
e	9	10,56	8,02	6,99	6,42	6,06	5,80	5,61	5,47	5,35	5,26	5,18	5,11	5,05	5,01	4,96	4,92	4,89	4,86	4,83	4,81
n	10	10,04	7,56	6,55	5,99	5,64	5,39	5,20	5,06	4,94	4,85	4,77	4,71	4,65	4,60	4,56	4,52	4,49	4,46	4,43	4,41
o	11	9,65	7,21	6,22	5,67	5,32	5,07	4,89	4,74	4,63	4,54	4,46	4,40	4,34	4,29	4,25	4,21	4,18	4,15	4,12	4,10
m	12	9,33	6,93	5,95	5,41	5,06	4,82	4,64	4,50	4,39	4,30	4,22	4,16	4,10	4,05	4,01	3,97	3,94	3,91	3,88	3,86
i	13	9,07	6,70	5,74	5,21	4,86	4,62	4,44	4,30	4,19	4,10	4,02	3,96	3,91	3,86	3,82	3,78	3,75	3,72	3,69	3,66
n	14	8,86	6,51	5,56	5,04	4,69	4,46	4,28	4,14	4,03	3,94	3,86	3,80	3,75	3,70	3,66	3,62	3,59	3,56	3,53	3,51
a	15	8,68	6,36	5,42	4,89	4,56	4,32	4,14	4,00	3,89	3,80	3,73	3,67	3,61	3,56	3,52	3,49	3,45	3,42	3,40	3,37
d	16	8,53	6,23	5,29	4,77	4,44	4,20	4,03	3,89	3,78	3,69	3,62	3,55	3,50	3,45	3,41	3,37	3,34	3,31	3,28	3,26
o	17	8,40	6,11	5,18	4,67	4,34	4,10	3,93	3,79	3,68	3,59	3,52	3,46	3,40	3,35	3,31	3,27	3,24	3,21	3,19	3,16
r	18	8,29	6,01	5,09	4,58	4,25	4,01	3,84	3,71	3,60	3,51	3,43	3,37	3,32	3,27	3,23	3,19	3,16	3,13	3,10	3,08
	19	8,18	5,93	5,01	4,50	4,17	3,94	3,77	3,63	3,52	3,43	3,36	3,30	3,24	3,19	3,15	3,12	3,08	3,05	3,03	3,00
	20	8,10	5,85	4,94	4,43	4,10	3,87	3,70	3,56	3,46	3,37	3,29	3,23	3,18	3,13	3,09	3,05	3,02	2,99	2,96	2,94
	21	8,02	5,78	4,87	4,37	4,04	3,81	3,64	3,51	3,40	3,31	3,24	3,17	3,12	3,07	3,03	2,99	2,96	2,93	2,90	2,88
	22	7,95	5,72	4,82	4,31	3,99	3,76	3,59	3,45	3,35	3,26	3,18	3,12	3,07	3,02	2,98	2,94	2,91	2,88	2,85	2,83
	23	7,88	5,66	4,76	4,26	3,94	3,71	3,54	3,41	3,30	3,21	3,14	3,07	3,02	2,97	2,93	2,89	2,86	2,83	2,80	2,78
	24	7,82	5,61	4,72	4,22	3,90	3,67	3,50	3,36	3,26	3,17	3,09	3,03	2,98	2,93	2,89	2,85	2,82	2,79	2,76	2,74
	25	7,77	5,57	4,68	4,18	3,85	3,63	3,46	3,32	3,22	3,13	3,06	2,99	2,94	2,89	2,85	2,81	2,78	2,75	2,72	2,70

Valores críticos $q_{p,\nu}$ da amplitude studentized – $\alpha = 0,05$

ν	p										
	2	3	4	5	6	7	8	9	10	11	12
2	6,080	8,331	9,799	10,881	11,734	12,435	13,028	13,542	13,994	14,396	14,759
3	4,501	5,910	6,825	7,502	8,037	8,478	8,852	9,177	9,462	9,717	9,946
4	3,927	5,040	5,757	6,287	6,706	7,053	7,347	7,602	7,826	8,027	8,208
5	3,635	4,602	5,218	5,673	6,033	6,330	6,582	6,801	6,995	7,167	7,323
6	3,460	4,339	4,896	5,305	5,628	5,895	6,122	6,319	6,493	6,649	6,789
7	3,344	4,165	4,681	5,060	5,359	5,606	5,815	5,997	6,158	6,302	6,431
8	3,261	4,041	4,529	4,886	5,167	5,399	5,596	5,767	5,918	6,053	6,175
9	3,199	3,948	4,415	4,755	5,024	5,244	5,432	5,595	5,738	5,867	5,983
10	3,151	3,877	4,327	4,654	4,912	5,124	5,304	5,460	5,598	5,722	5,833
11	3,113	3,820	4,256	4,574	4,823	5,028	5,202	5,353	5,486	5,605	5,713
12	3,081	3,773	4,199	4,508	4,750	4,950	5,119	5,265	5,395	5,510	5,615
13	3,055	3,734	4,151	4,453	4,690	4,884	5,049	5,192	5,318	5,431	5,533
14	3,033	3,701	4,111	4,407	4,639	4,829	4,990	5,130	5,253	5,364	5,463
15	3,014	3,673	4,076	4,367	4,595	4,782	4,940	5,077	5,198	5,306	5,403
16	2,998	3,649	4,046	4,333	4,557	4,741	4,896	5,031	5,150	5,256	5,352
17	2,984	3,628	4,020	4,303	4,524	4,705	4,858	4,991	5,108	5,212	5,306
18	2,971	3,609	3,997	4,276	4,494	4,673	4,824	4,955	5,071	5,173	5,266
19	2,960	3,593	3,977	4,253	4,468	4,645	4,794	4,924	5,037	5,139	5,231
20	2,950	3,578	3,958	4,232	4,445	4,620	4,768	4,895	5,008	5,108	5,199
21	2,941	3,565	3,942	4,213	4,424	4,597	4,743	4,870	4,981	5,081	5,170
22	2,933	3,553	3,927	4,196	4,405	4,577	4,722	4,847	4,957	5,056	5,144
23	2,926	3,542	3,914	4,180	4,388	4,558	4,702	4,826	4,935	5,033	5,121
24	2,919	3,532	3,901	4,166	4,373	4,541	4,684	4,807	4,915	5,012	5,099
25	2,913	3,523	3,890	4,153	4,358	4,526	4,667	4,789	4,897	4,993	5,079
26	2,907	3,514	3,880	4,141	4,345	4,511	4,652	4,773	4,880	4,975	5,061
27	2,902	3,506	3,870	4,130	4,333	4,498	4,638	4,758	4,864	4,959	5,044
28	2,784	3,332	3,655	3,883	4,058	4,200	4,319	4,421	4,511	4,590	4,662
29	2,892	3,493	3,853	4,111	4,311	4,475	4,613	4,732	4,837	4,930	5,014
30	2,897	3,499	3,861	4,120	4,322	4,486	4,625	4,745	4,850	4,944	5,029
31	2,892	3,493	3,853	4,111	4,311	4,475	4,613	4,732	4,837	4,930	5,014
32	2,888	3,486	3,845	4,102	4,301	4,464	4,601	4,720	4,824	4,917	5,001
33	2,884	3,481	3,838	4,094	4,292	4,454	4,591	4,709	4,812	4,905	4,988
34	2,881	3,475	3,832	4,086	4,284	4,445	4,581	4,698	4,802	4,894	4,976
35	2,871	3,461	3,814	4,066	4,261	4,421	4,555	4,671	4,773	4,863	4,945
36	2,868	3,457	3,809	4,060	4,255	4,414	4,547	4,663	4,764	4,855	4,936
37	2,865	3,453	3,804	4,054	4,249	4,407	4,540	4,655	4,756	4,846	4,927
38	2,863	3,449	3,799	4,049	4,243	4,400	4,533	4,648	4,749	4,838	4,919
39	2,861	3,445	3,795	4,044	4,237	4,394	4,527	4,641	4,741	4,831	4,911
40	2,858	3,442	3,791	4,039	4,232	4,388	4,521	4,634	4,735	4,824	4,904
50	2,841	3,416	3,758	4,002	4,190	4,344	4,473	4,584	4,681	4,768	4,846
60	2,829	3,399	3,737	3,977	4,163	4,314	4,441	4,550	4,646	4,732	4,808
70	2,821	3,386	3,722	3,960	4,144	4,293	4,419	4,527	4,621	4,706	4,781
80	2,814	3,377	3,711	3,947	4,129	4,277	4,402	4,509	4,603	4,686	4,761
90	2,810	3,370	3,702	3,937	4,118	4,265	4,389	4,495	4,588	4,671	4,746
100	2,806	3,365	3,695	3,929	4,109	4,256	4,379	4,484	4,577	4,659	4,733

Fonte: Valores gerados com a função `ptukey` do R

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Valores críticos $q_{p,\nu}$ da amplitude studentizada – $\alpha = 0,01$

ν	p										
	2	3	4	5	6	7	8	9	10	11	12
2	13,902	19,016	22,564	25,372	27,757	29,856	31,730	33,412	34,926	36,293	37,533
3	8,260	10,620	12,170	13,322	14,239	14,998	15,646	16,212	16,713	17,164	17,573
4	6,511	8,120	9,173	9,958	10,583	11,101	11,542	11,925	12,263	12,565	12,839
5	5,702	6,976	7,804	8,421	8,913	9,321	9,669	9,971	10,239	10,479	10,696
6	5,243	6,331	7,033	7,556	7,972	8,318	8,612	8,869	9,097	9,300	9,485
7	4,949	5,919	6,542	7,005	7,373	7,678	7,939	8,166	8,367	8,548	8,711
8	4,745	5,635	6,204	6,625	6,959	7,237	7,474	7,680	7,863	8,027	8,176
9	4,596	5,428	5,957	6,347	6,657	6,915	7,134	7,325	7,494	7,646	7,784
10	4,482	5,270	5,769	6,136	6,428	6,669	6,875	7,054	7,213	7,356	7,485
11	4,392	5,146	5,621	5,970	6,247	6,476	6,671	6,841	6,992	7,127	7,250
12	4,320	5,046	5,502	5,836	6,101	6,320	6,507	6,670	6,814	6,943	7,060
13	4,260	4,964	5,404	5,726	5,981	6,192	6,372	6,528	6,666	6,791	6,903
14	4,210	4,895	5,322	5,634	5,881	6,085	6,258	6,409	6,543	6,663	6,772
15	4,167	4,836	5,252	5,556	5,796	5,994	6,162	6,309	6,438	6,555	6,660
16	4,131	4,786	5,192	5,489	5,722	5,915	6,079	6,222	6,348	6,461	6,564
17	4,099	4,742	5,140	5,430	5,659	5,847	6,007	6,147	6,270	6,380	6,480
18	4,071	4,703	5,094	5,379	5,603	5,787	5,944	6,081	6,201	6,309	6,407
19	4,046	4,669	5,054	5,334	5,553	5,735	5,889	6,022	6,141	6,246	6,342
20	4,024	4,639	5,018	5,293	5,510	5,688	5,839	5,970	6,086	6,190	6,285
21	4,004	4,612	4,986	5,257	5,470	5,646	5,794	5,924	6,038	6,140	6,233
22	3,986	4,588	4,957	5,225	5,435	5,608	5,754	5,882	5,994	6,095	6,186
23	3,970	4,566	4,931	5,195	5,403	5,573	5,718	5,844	5,955	6,054	6,144
24	3,955	4,546	4,907	5,168	5,373	5,542	5,685	5,809	5,919	6,017	6,105
25	3,942	4,527	4,885	5,144	5,347	5,513	5,655	5,778	5,886	5,983	6,070
26	3,930	4,510	4,865	5,121	5,322	5,487	5,627	5,749	5,856	5,951	6,038
27	3,918	4,495	4,847	5,101	5,300	5,463	5,602	5,722	5,828	5,923	6,008
28	3,908	4,481	4,830	5,082	5,279	5,441	5,578	5,697	5,802	5,896	5,981
29	3,898	4,467	4,814	5,064	5,260	5,420	5,556	5,674	5,778	5,871	5,955
30	3,889	4,455	4,799	5,048	5,242	5,401	5,536	5,653	5,756	5,848	5,932
31	3,881	4,443	4,786	5,032	5,225	5,383	5,517	5,633	5,736	5,827	5,910
32	3,873	4,433	4,773	5,018	5,210	5,367	5,500	5,615	5,716	5,807	5,889
33	3,865	4,423	4,761	5,005	5,195	5,351	5,483	5,598	5,698	5,789	5,870
34	3,859	4,413	4,750	4,992	5,181	5,336	5,468	5,581	5,682	5,771	5,852
35	3,852	4,404	4,739	4,980	5,169	5,323	5,453	5,566	5,666	5,755	5,835
36	3,846	4,396	4,729	4,969	5,156	5,310	5,439	5,552	5,651	5,739	5,819
37	3,840	4,388	4,720	4,959	5,145	5,298	5,427	5,538	5,637	5,725	5,804
38	3,835	4,381	4,711	4,949	5,134	5,286	5,414	5,526	5,623	5,711	5,790
39	3,830	4,374	4,703	4,940	5,124	5,275	5,403	5,513	5,611	5,698	5,776
40	3,825	4,367	4,695	4,931	5,114	5,265	5,392	5,502	5,599	5,685	5,764
50	3,787	4,316	4,634	4,863	5,040	5,185	5,308	5,414	5,507	5,590	5,665
60	3,762	4,282	4,594	4,818	4,991	5,133	5,253	5,356	5,447	5,528	5,601
70	3,745	4,258	4,566	4,786	4,957	5,096	5,214	5,315	5,404	5,483	5,555
80	3,732	4,241	4,545	4,763	4,931	5,069	5,185	5,284	5,372	5,451	5,521
90	3,722	4,227	4,529	4,745	4,911	5,048	5,162	5,261	5,348	5,425	5,495
100	3,714	4,216	4,516	4,730	4,896	5,031	5,144	5,242	5,328	5,405	5,474

Fonte: Valores gerados com a função `ptukey` do R

Valores críticos $r_{p,\nu;0,05}$ para o teste de Duncan – $\alpha = 0,05$

gl	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	17,969	17,969	17,969	17,969	17,969	17,969	17,969	17,969	17,969	17,969	17,969	17,969	17,969	17,969	17,969	17,969	17,969	17,969	17,969
2	6,085	6,085	6,085	6,085	6,085	6,085	6,085	6,085	6,085	6,085	6,085	6,085	6,085	6,085	6,085	6,085	6,085	6,085	6,085
3	4,501	4,516	4,516	4,516	4,516	4,516	4,516	4,516	4,516	4,516	4,516	4,516	4,516	4,516	4,516	4,516	4,516	4,516	4,516
4	3,926	4,013	4,033	4,033	4,033	4,033	4,033	4,033	4,033	4,033	4,033	4,033	4,033	4,033	4,033	4,033	4,033	4,033	4,033
5	3,635	3,749	3,796	3,814	3,814	3,814	3,814	3,814	3,814	3,814	3,814	3,814	3,814	3,814	3,814	3,814	3,814	3,814	3,814
6	3,460	3,586	3,649	3,680	3,694	3,697	3,697	3,697	3,697	3,697	3,697	3,697	3,697	3,697	3,697	3,697	3,697	3,697	3,697
7	3,344	3,477	3,548	3,588	3,611	3,622	3,625	3,625	3,625	3,625	3,625	3,625	3,625	3,625	3,625	3,625	3,625	3,625	3,625
8	3,261	3,398	3,475	3,521	3,549	3,566	3,575	3,579	3,579	3,579	3,579	3,579	3,579	3,579	3,579	3,579	3,579	3,579	3,579
9	3,199	3,339	3,420	3,470	3,502	3,523	3,536	3,544	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547	3,547
10	3,151	3,293	3,376	3,430	3,465	3,489	3,505	3,516	3,522	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,525	3,525
11	3,113	3,256	3,341	3,397	3,435	3,462	3,480	3,493	3,501	3,506	3,509	3,510	3,510	3,510	3,510	3,510	3,510	3,510	3,510
12	3,081	3,225	3,312	3,370	3,410	3,439	3,459	3,474	3,484	3,491	3,495	3,498	3,498	3,498	3,498	3,498	3,498	3,498	3,498
13	3,055	3,200	3,288	3,348	3,389	3,419	3,441	3,458	3,470	3,478	3,484	3,488	3,490	3,490	3,490	3,490	3,490	3,490	3,490
14	3,033	3,178	3,268	3,328	3,371	3,403	3,426	3,444	3,457	3,467	3,474	3,479	3,482	3,484	3,484	3,484	3,484	3,484	3,484
15	3,014	3,160	3,250	3,312	3,356	3,389	3,413	3,432	3,446	3,457	3,465	3,471	3,476	3,478	3,480	3,480	3,480	3,480	3,480
16	2,998	3,144	3,235	3,297	3,343	3,376	3,402	3,422	3,437	3,449	3,458	3,465	3,470	3,473	3,476	3,477	3,477	3,477	3,477
17	2,984	3,130	3,222	3,285	3,331	3,365	3,392	3,412	3,429	3,441	3,451	3,459	3,465	3,469	3,472	3,474	3,475	3,475	3,475
18	2,971	3,117	3,210	3,274	3,320	3,356	3,383	3,404	3,421	3,435	3,445	3,454	3,460	3,465	3,469	3,472	3,473	3,474	3,474
19	2,960	3,106	3,199	3,264	3,311	3,347	3,375	3,397	3,415	3,429	3,440	3,449	3,456	3,462	3,466	3,469	3,472	3,473	3,474
20	2,950	3,097	3,190	3,255	3,303	3,339	3,368	3,390	3,409	3,423	3,435	3,445	3,452	3,459	3,463	3,467	3,470	3,472	3,473
21	2,941	3,088	3,181	3,247	3,295	3,332	3,361	3,385	3,403	3,418	3,431	3,441	3,449	3,456	3,461	3,465	3,469	3,471	3,473
22	2,933	3,080	3,173	3,239	3,288	3,326	3,355	3,379	3,398	3,414	3,427	3,437	3,446	3,453	3,459	3,464	3,467	3,470	3,472
23	2,926	3,072	3,166	3,233	3,282	3,320	3,350	3,374	3,394	3,410	3,423	3,434	3,443	3,451	3,457	3,462	3,466	3,469	3,472
24	2,919	3,066	3,160	3,226	3,276	3,315	3,345	3,370	3,390	3,406	3,420	3,431	3,441	3,449	3,455	3,461	3,465	3,469	3,472
25	2,913	3,059	3,154	3,221	3,271	3,310	3,341	3,366	3,386	3,403	3,417	3,429	3,439	3,447	3,454	3,459	3,464	3,468	3,471
26	2,907	3,054	3,149	3,216	3,266	3,305	3,336	3,362	3,382	3,400	3,414	3,426	3,436	3,445	3,452	3,458	3,463	3,468	3,471
27	2,902	3,049	3,144	3,211	3,262	3,301	3,332	3,358	3,379	3,397	3,412	3,424	3,434	3,443	3,451	3,457	3,463	3,467	3,471
28	2,897	3,044	3,139	3,206	3,257	3,297	3,329	3,355	3,376	3,394	3,409	3,422	3,433	3,442	3,450	3,456	3,462	3,467	3,470
29	2,892	3,039	3,135	3,202	3,253	3,293	3,326	3,352	3,373	3,392	3,407	3,420	3,431	3,440	3,448	3,455	3,461	3,466	3,470
30	2,888	3,035	3,131	3,199	3,250	3,290	3,322	3,349	3,371	3,389	3,405	3,418	3,429	3,439	3,447	3,454	3,460	3,466	3,470
35	2,871	3,018	3,114	3,183	3,235	3,276	3,309	3,337	3,360	3,379	3,396	3,410	3,423	3,433	3,443	3,451	3,458	3,464	3,469
40	2,858	3,005	3,102	3,171	3,224	3,266	3,300	3,328	3,352	3,372	3,389	3,404	3,418	3,429	3,439	3,448	3,456	3,463	3,469
60	2,829	2,976	3,073	3,143	3,198	3,241	3,277	3,307	3,333	3,355	3,374	3,391	3,406	3,419	3,431	3,441	3,451	3,460	3,468
80	2,814	2,961	3,059	3,130	3,185	3,229	3,266	3,297	3,323	3,346	3,366	3,384	3,400	3,414	3,427	3,438	3,449	3,458	3,467
120	2,800	2,947	3,045	3,116	3,172	3,217	3,254	3,286	3,313	3,337	3,358	3,377	3,394	3,409	3,423	3,435	3,446	3,457	3,466
240	2,786	2,933	3,031	3,103	3,159	3,205	3,243	3,276	3,304	3,329	3,350	3,370	3,388	3,404	3,418	3,432	3,444	3,455	3,466
∞	2,772	2,918	3,017	3,089	3,146	3,193	3,232	3,265	3,294	3,320	3,343	3,363	3,382	3,399	3,414	3,428	3,442	3,454	3,466

Fonte: http://www2.accsnet.ne.jp/ miwa/probcalc/duncan/index.html

Valores críticos $r_{p,\nu;0,01}$ para o teste de Duncan – $\alpha = 0,01$

gl	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	90,024	90,024	90,024	90,024	90,024	90,024	90,024	90,024	90,024	90,024	90,024	90,024	90,024	90,024	90,024	90,024	90,024	90,024	90,024
2	14,036	14,036	14,036	14,036	14,036	14,036	14,036	14,036	14,036	14,036	14,036	14,036	14,036	14,036	14,036	14,036	14,036	14,036	14,036
3	8,260	8,321	8,321	8,321	8,321	8,321	8,321	8,321	8,321	8,321	8,321	8,321	8,321	8,321	8,321	8,321	8,321	8,321	8,321
4	6,511	6,677	6,740	6,755	6,755	6,755	6,755	6,755	6,755	6,755	6,755	6,755	6,755	6,755	6,755	6,755	6,755	6,755	6,755
5	5,702	5,893	5,989	6,040	6,065	6,074	6,074	6,074	6,074	6,074	6,074	6,074	6,074	6,074	6,074	6,074	6,074	6,074	6,074
6	5,243	5,439	5,549	5,614	5,655	5,680	5,694	5,701	5,703	5,703	5,703	5,703	5,703	5,703	5,703	5,703	5,703	5,703	5,703
7	4,949	5,145	5,260	5,333	5,383	5,416	5,439	5,454	5,464	5,470	5,472	5,472	5,472	5,472	5,472	5,472	5,472	5,472	5,472
8	4,745	4,939	5,056	5,134	5,189	5,227	5,256	5,276	5,291	5,302	5,309	5,313	5,316	5,317	5,317	5,317	5,317	5,317	5,317
9	4,596	4,787	4,906	4,986	5,043	5,086	5,117	5,142	5,160	5,174	5,185	5,193	5,199	5,202	5,205	5,206	5,206	5,206	5,206
10	4,482	4,671	4,789	4,871	4,931	4,975	5,010	5,036	5,058	5,074	5,087	5,098	5,106	5,112	5,117	5,120	5,122	5,123	5,124
11	4,392	4,579	4,697	4,780	4,841	4,887	4,923	4,952	4,975	4,994	5,009	5,021	5,031	5,039	5,045	5,050	5,054	5,057	5,059
12	4,320	4,504	4,622	4,705	4,767	4,815	4,852	4,882	4,907	4,927	4,944	4,957	4,969	4,978	4,986	4,993	4,998	5,002	5,005
13	4,260	4,442	4,560	4,643	4,706	4,754	4,793	4,824	4,850	4,871	4,889	4,904	4,917	4,927	4,936	4,944	4,950	4,955	4,960
14	4,210	4,391	4,508	4,591	4,654	4,703	4,743	4,775	4,802	4,824	4,843	4,859	4,872	4,884	4,894	4,902	4,909	4,916	4,921
15	4,167	4,346	4,463	4,547	4,610	4,660	4,700	4,733	4,760	4,783	4,803	4,820	4,834	4,846	4,857	4,866	4,874	4,881	4,887
16	4,131	4,308	4,425	4,508	4,572	4,622	4,662	4,696	4,724	4,748	4,768	4,785	4,800	4,813	4,825	4,835	4,843	4,851	4,858
17	4,099	4,275	4,391	4,474	4,538	4,589	4,630	4,664	4,692	4,717	4,737	4,755	4,771	4,785	4,797	4,807	4,816	4,824	4,832
18	4,071	4,246	4,361	4,445	4,509	4,559	4,601	4,635	4,664	4,689	4,710	4,729	4,745	4,759	4,771	4,782	4,792	4,801	4,808
19	4,046	4,220	4,335	4,418	4,483	4,533	4,575	4,610	4,639	4,664	4,686	4,705	4,722	4,736	4,749	4,760	4,771	4,780	4,788
20	4,024	4,197	4,312	4,395	4,459	4,510	4,552	4,587	4,617	4,642	4,664	4,684	4,701	4,716	4,729	4,741	4,751	4,761	4,769
21	4,004	4,177	4,291	4,374	4,438	4,489	4,531	4,567	4,597	4,622	4,645	4,664	4,682	4,697	4,711	4,723	4,734	4,743	4,752
22	3,986	4,158	4,272	4,355	4,419	4,470	4,513	4,548	4,578	4,604	4,627	4,647	4,664	4,680	4,694	4,706	4,718	4,728	4,737
23	3,970	4,141	4,254	4,337	4,402	4,453	4,496	4,531	4,562	4,588	4,611	4,631	4,649	4,665	4,679	4,692	4,703	4,713	4,723
24	3,955	4,126	4,239	4,322	4,386	4,437	4,480	4,516	4,546	4,573	4,596	4,616	4,634	4,651	4,665	4,678	4,690	4,700	4,710
25	3,942	4,112	4,224	4,307	4,371	4,423	4,466	4,502	4,532	4,559	4,582	4,603	4,621	4,638	4,652	4,665	4,677	4,688	4,698
26	3,930	4,099	4,211	4,294	4,358	4,410	4,452	4,489	4,520	4,546	4,570	4,591	4,609	4,626	4,640	4,654	4,666	4,677	4,687
27	3,918	4,087	4,199	4,282	4,346	4,397	4,440	4,477	4,508	4,535	4,558	4,579	4,598	4,615	4,630	4,643	4,655	4,667	4,677
28	3,908	4,076	4,188	4,270	4,334	4,386	4,429	4,465	4,497	4,524	4,548	4,569	4,587	4,604	4,619	4,633	4,646	4,657	4,667
29	3,898	4,065	4,177	4,260	4,324	4,376	4,419	4,455	4,486	4,514	4,538	4,559	4,578	4,595	4,610	4,624	4,637	4,648	4,659
30	3,889	4,056	4,168	4,250	4,314	4,366	4,409	4,445	4,477	4,504	4,528	4,550	4,569	4,586	4,601	4,615	4,628	4,640	4,650
35	3,852	4,017	4,128	4,210	4,273	4,325	4,369	4,406	4,437	4,465	4,490	4,511	4,531	4,549	4,565	4,579	4,593	4,605	4,616
40	3,825	3,988	4,098	4,180	4,243	4,295	4,339	4,376	4,408	4,436	4,461	4,483	4,503	4,521	4,537	4,552	4,566	4,579	4,591
60	3,762	3,922	4,030	4,111	4,174	4,226	4,270	4,307	4,340	4,368	4,394	4,417	4,437	4,456	4,474	4,489	4,504	4,518	4,530
80	3,732	3,890	3,997	4,077	4,140	4,192	4,236	4,273	4,306	4,335	4,360	4,384	4,405	4,424	4,442	4,458	4,473	4,487	4,500
120	3,702	3,858	3,964	4,044	4,107	4,158	4,202	4,239	4,272	4,301	4,327	4,351	4,372	4,392	4,410	4,426	4,442	4,456	4,469
240	3,672	3,827	3,932	4,011	4,073	4,125	4,168	4,206	4,239	4,268	4,294	4,318	4,339	4,359	4,378	4,394	4,410	4,425	4,439
∞	3,643	3,796	3,900	3,978	4,040	4,091	4,135	4,172	4,205	4,235	4,261	4,285	4,307	4,327	4,345	4,363	4,379	4,394	4,408

Fonte: http://www2.accsnet.ne.jp/ miwa/probcalc/duncan/index.html