

99.99th PERCENTILES FOR THE F DISTRIBUTION $[F_{v_1, v_2}]$

[calculated with *qf* in **R** version 3.3.2 using 17-digit arithmetic;
the accuracy of all digits in the table entries has *not* been verified]

Each table entry is the value (y) of the random variable $Y \sim F_{v_1, v_2}$ such that $\Pr(Y \leq y) = 0.9999$ (v_1 is the numerator, v_2 the denominator, degrees of freedom)

df ↓	Each table entry is the value (y) of the random variable $Y \sim F_{v_1, v_2}$ such that $\Pr(Y \leq y) = 0.9999$ (v_1 is the numerator, v_2 the denominator, degrees of freedom)																								
	$v_2 \backslash v_1$	1	2	3	4	5	6	7	8	9	10	12	15	20	25	30	40	50	60	75	100	175	350	1,000	
99	1	40528.473	50000.000	54037.964	56250.000	57640.495	585937.50	59287.367	59814.453	60228.436	60562.133	61066.818	61576.401	62090.802	62401.717	62609.930	62871.237	63028.572	63133.689	63238.988	63344.467	63480.346	63571.096	63630.154	1
	2	9998.5	9999.0	9999.2	9999.2	9999.3	9999.3	9999.4	9999.4	9999.4	9999.4	9999.4	9999.4	9999.4	9999.5	9999.5	9999.5	9999.5	9999.5	9999.5	9999.5	9999.5	9999.5	9999.5	
	3	784.01	694.74	659.34	640.19	628.17	619.91	613.88	609.29	605.67	602.75	598.33	593.84	589.30	586.54	584.69	582.36	580.96	580.02	579.08	578.13	576.91	576.10	575.57	
	4	241.62	198.00	181.02	171.87	166.13	162.19	159.31	157.11	155.38	153.98	151.86	149.71	147.52	146.19	145.30	144.18	143.50	143.05	142.59	142.13	141.54	141.15	140.89	
	5	124.491	97.027	86.292	80.527	76.911	74.426	72.611	71.226	70.133	69.250	67.908	66.544	65.157	64.313	63.746	63.031	62.598	62.309	62.018	61.726	61.349	61.097	60.933	5
	6	82.489	61.633	53.680	49.419	46.747	44.909	43.566	42.541	41.732	41.077	40.081	39.068	38.036	37.407	36.984	36.450	36.127	35.910	35.693	35.474	35.192	35.002	34.879	
	7	62.167	45.132	38.676	35.222	33.056	31.567	30.477	29.644	28.987	28.455	27.644	26.819	25.977	25.464	25.118	24.680	24.416	24.238	24.059	23.880	23.648	23.492	23.391	
	8	50.694	36.000	30.456	27.493	25.635	24.357	23.421	22.706	22.141	21.683	20.985	20.274	19.547	19.103	18.803	18.425	18.195	18.041	17.886	17.730	17.528	17.393	17.304	
	9	43.477	30.342	25.404	22.766	21.112	19.974	19.140	18.503	17.999	17.590	16.967	16.331	15.680	15.282	15.013	14.672	14.466	14.327	14.187	14.047	13.865	13.743	13.663	
	10	38.577	26.548	22.038	19.630	18.120	17.081	16.319	15.736	15.275	14.901	14.330	13.747	13.150	12.784	12.536	12.222	12.032	11.904	11.775	11.645	11.477	11.363	11.290	10
	11	35.0605	23.8518	19.6585	17.4211	16.0178	15.0511	14.3425	13.7999	13.3706	13.0221	12.4901	11.9458	11.3877	10.8134	10.3194	10.1594	10.3406	10.2203	10.0991	9.9769	9.8185	9.7119	9.6422	
	12	32.4269	21.8495	17.8995	15.7926	14.4710	13.5602	12.8924	12.3807	11.9757	11.6467	11.1443	10.6298	10.1015	9.7769	9.5570	9.2778	9.1078	8.9933	8.8780	8.7616	8.6106	8.5089	8.4423	
	13	30.3878	20.3101	16.5523	14.5485	13.2913	12.4247	11.7889	11.3017	10.9158	10.6022	10.1231	9.6319	9.1270	8.8164	8.6058	8.3381	8.1750	8.0651	7.9542	7.8423	7.6969	7.5989	7.5348	
	14	28.7662	19.0932	15.4908	13.5703	12.3653	11.5343	10.9245	10.4569	10.0865	9.7853	9.3249	8.8526	8.3664	8.0670	7.8638	7.6053	7.4476	7.3412	7.2339	7.1255	6.9845	6.8895	6.8272	
	15	27.4480	18.1091	14.6350	12.7832	11.6211	10.8194	10.2310	9.7796	9.4218	9.1309	8.6859	8.2290	7.7582	7.4679	7.2707	7.0197	6.8663	6.7628	6.6583	6.5527	6.4153	6.3225	6.2617	15
	16	26.3569	17.2982	13.9315	12.1372	11.0111	10.2340	9.6634	9.2256	8.8784	8.5961	8.1639	7.7198	7.2618	6.9791	6.7869	6.5419	6.3922	6.2911	6.1889	6.0855	5.9509	5.8599	5.8003	
	17	25.4396	16.6193	13.3439	11.5984	10.5028	9.7466	9.1911	8.7648	8.4267	8.1515	7.7302	7.2970	6.8498	6.5735	6.3854	6.1455	5.9987	5.8996	5.7993	5.6978	5.5655	5.4760	5.4172	
	18	24.6582	16.0430	12.8461	11.1426	10.0732	9.3349	8.7925	8.3760	8.0456	7.7767	7.3647	6.9408	6.5028	6.2318	6.0473	5.8117	5.6674	5.5699	5.4712	5.3712	5.2408	5.1525	5.0945	
	19	23.9851	15.5482	12.4194	10.7524	9.7057	8.9830	8.4519	8.0440	7.7202	7.4567	7.0528	6.6369	6.2068	5.9405	5.7590	5.5271	5.3849	5.2887	5.1913	5.0927	4.9637	4.8764	4.8190	
	20	23.3995	15.1189	12.0498	10.4147	9.3880	8.6789	8.1577	7.7573	7.4394	7.1805	6.7837	6.3748	5.9516	5.6894	5.5105	5.2817	5.1413	5.0463	4.9500	4.8524	4.7248	4.6382	4.5813	20
	22	22.4309	14.4114	11.4421	9.8603	8.8668	8.1804	7.6757	7.2878	6.9797	6.7286	6.3435	5.9463	5.5345	5.2788	5.1042	4.8805	4.7430	4.6498	4.5553	4.4594	4.3337	4.2483	4.1921	
	24	21.6633	13.8532	10.9637	9.4246	8.4578	7.7896	7.2980	6.9201	6.6197	6.3750	5.9992	5.6112	5.2084	4.9580	4.7867	4.5669	4.4316	4.3397	4.2465	4.1517	4.0274	3.9428	3.8870	
26	21.0404	13.4019	10.5778	9.0736	8.1286	7.4752	6.9945	6.6247	6.3307	6.0910	5.7228	5.3424	4.9468	4.7006	4.5319	4.3152	4.1816	4.0908	3.9985	3.9046	3.7812	3.6970	3.6414		
28	20.5252	13.0298	10.2601	8.7850	7.8581	7.2172	6.7454	6.3824	6.0937	5.8582	5.4964	5.1221	4.7326	4.4897	4.3232	4.1090	3.9767	3.8867	3.7951	3.7018	3.5789	3.4951	3.4396		
30	20.0921	12.7177	9.9942	8.5437	7.6322	7.0017	6.5375	6.1802	5.8960	5.6641	5.3075	4.9385	4.5540	4.3140	4.1492	3.9370	3.8057	3.7163	3.6253	3.5324	3.4099	3.3261	3.2706	30	
35	19.2615	12.1217	9.4873	8.0844	7.2025	6.5923	6.1427	5.7964	5.5209	5.2959	4.9495	4.5906	4.2156	3.9808	3.8193	3.6106	3.4812	3.3928	3.3025	3.2102	3.0880	3.0040	2.9482		
40	18.6684	11.6979	9.1278	7.7592	6.8987	6.3031	5.8640	5.5257	5.2564	5.0363	4.6973	4.3455	3.9772	3.7461	3.5868	3.3804	3.2520	3.1642	3.0742	2.9820	2.8594	2.7749	2.7185		
45	18.2240	11.3813	8.8598	7.5172	6.6728	6.0881	5.6571	5.3248	5.0601	4.8437	4.5102	4.1637	3.8004	3.5720	3.4142	3.2094	3.0817	2.9940	2.9042	2.8118	2.6886	2.6033	2.5462		
50	17.8786	11.1360	8.6524	7.3301	6.4983	5.9222	5.4974	5.1698	4.9087	4.6952	4.3660	4.0237	3.6642	3.4378	3.2811	3.0774	2.9500	2.8625	2.7726	2.6799	2.5559	2.4697	2.4118	50	
60	17.3769	10.7807	8.3526	7.0599	6.2465	5.6830	5.2672	4.9465	4.6907	4.4815	4.1585	3.8221	3.4681	3.2445	3.0894	2.8870	2.7599	2.6723	2.5820	2.4886	2.3628	2.2746	2.2150		
70	17.0302	10.5859	8.1465	6.8743	6.0738	5.5190	5.1095	4.7935	4.5414	4.3351	4.0164	3.6841	3.3338	3.1121	2.9579	2.7563	2.6292	2.5414	2.4506	2.3563	2.2287	2.1385	2.0772		
80	16.7764	10.3570	7.9960	6.7390	5.9479	5.3996	4.9947	4.6822	4.4328	4.2286	3.9131	3.5838	3.2361	3.0157	2.8622	2.6609	2.5338	2.4457	2.3544	2.2593	2.1298	2.0378	1.9748		
90	16.5825	10.2206	7.8814	6.6360	5.8521	5.3087	4.9074	4.5976	4.3502	4.1477	3.8346	3.5076	3.1619	2.9424	2.7894	2.5884	2.4611	2.3727	2.2809	2.1849	2.0538	1.9600	1.8954		
100	16.4295	10.1132	7.7912	6.5550	5.7768	5.2373	4.8388	4.5311	4.2854	4.0841	3.7729	3.4477	3.1037	2.8849	2.7322	2.5313	2.4038	2.3151	2.2228	2.1261	1.9934	1.8979	1.8318	100	
125	16.1591	9.9236	7.6322	6.4122	5.6442	5.1116	4.7181	4.4141	4.1713	3.9723	3.6645	3.3424	3.0011	2.7836	2.6314	2									