Figure 13.13c. *75th* PERCENTILES FOR THE *F* DISTRIBUTION [F_{ν_1,ν_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 $Y \sim F_{\nu_1,\nu_2}$ such that $\Pr(Y \le y) = 0.75$ (ν_1 is the numerator, ν_2 the denominator, degrees of freedom)

$F^{\nu_1,\nu_2}_{.75}$

Df → ν_2/ν_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	
1	5.8284	7.5000	8.1999	8.5809	8.8198	8.9833	9.1021	9.1923	9.2631	9.3201	9.4064	9.4934	9.5813	9.6343	9.6698	9.7144	9.7412	9.7592	9.7771	9.7951	9.8182	9.8337	9.8438	1
2	2.5714	3.0000	3.1534	3.2321	3.2799	3.3121	3.3352	3.3526	3.3661	3.3770	3.3934	3.4098	3.4263	3.4362	3.4428	3.4511	3.4561	3.4594	3.4627	3.4661	3.4703	3.4732	3.4751	
3	2.0239	2.2798	2.3556	2.3901	2.4095	2.4218	2.4302	2.4364	2.4410	2.4447	2.4500	2.4552	2.4602	2.4631	2.4650	2.4674	2.4688	2.4697	2.4706	2.4715	2.4726	2.4734	2.4739	
4	1.8074	2.0000	2.0467	2.0642	2.0723	2.0766	2.0790	2.0805	2.0814	2.0820	2.0826	2.0829	2.0828	2.0827	2.0825	2.0821	2.0819	2.0817	2.0815	2.0813	2.0810	2.0808	2.0806	
5	1.6925	1.8528	1.8843	1.8927	1.8947	1.8945	1.8935	1.8923	1.8911	1.8899	1.8877	1.8851	1.8820	1.8799	1.8784	1.8763	1.8751	1.8742	1.8733	1.8724	1.8711	1.8703	1.8697	5
6	1.6214	1.7622	1.7844	1.7872	1.7852	1.7821	1.7789	1.7760	1.7733	1.7708	1.7668	1.7621	1.7569	1.7534	1.7509	1.7477	1.7457	1.7443	1.7429	1.7414	1.7395	1.7382	1.7373	
7	1.5732	1.7010	1.7169	1.7157	1.7111	1.7059	1.7011	1.6969	1.6931	1.6898	1.6843	1.6781	1.6712	1.6667	1.6635	1.6593	1.6567	1.6548	1.6530	1.6511	1.6486	1.6469	1.6458	
8	1.5384	1.6569	1.6683	1.6642	1.6575	1.6508	1.6448	1.6396	1.6350	1.6310	1.6244	1.6170	1.6088	1.6034	1.5996	1.5945	1.5914	1.5893	1.5870	1.5848	1.5818	1.5798	1.5784	
9	1.5121	1.6236	1.6315	1.6253	1.6170	1.6091	1.6022	1.5961	1.5909	1.5863	1.5788	1.5705	1.5611	1.5550	1.5506	1.5449	1.5414	1.5389	1.5364	1.5338	1.5304	1.5281	1.5266	
10	1.4915	1.5975	1.6028	1.5949	1.5853	1.5765	1.5688	1.5621	1.5563	1.5513	1.5430	1.5338	1.5235	1.5167	1.5119	1.5056	1.5017	1.4990	1.4962	1.4933	1.4895	1.4869	1.4852	10
11	1.4749	1.5767	1.5798	1.5704	1.5598	1.5502	1.5418	1.5346	1.5284	1.5229	1.5140	1.5041	1.4930	1.4857	1.4805	1.4737	1.4694	1.4664	1.4634	1.4603	1.4561	1.4533	1.4514	
12	1.4613	1.5595	1.5609	1.5504	1.5389	1.5286	1.5197	1.5120	1.5054	1.4996	1.4902	1.4796	1.4678	1.4600	1.4544	1.4471	1.4425	1.4393	1.4361	1.4327	1.4283	1.4252	1.4232	
13	1.4500	1.5452	1.5451	1.5336	1.5214	1.5105	1.5011	1.4931	1.4861	1.4801	1.4701	1.4590	1.4465	1.4383	1.4324	1.4247	1.4198	1.4164	1.4129	1.4094	1.4046	1.4013	1.3992	
14	1.4403	1.5331	1.5317	1.5194	1.5066	1.4952	1.4854	1.4770	1.4697	1.4634	1.4530	1.4414	1.4284	1.4197	1.4136	1.4055	1.4003	1.3967	1.3931	1.3893	1.3843	1.3808	1.3785	
15	1.4321	1.5227	1.5202	1.5071	1.4938	1.4820	1.4718	1.4631	1.4556	1.4491	1.4383	1.4263	1.4127	1.4037	1.3973	1.3888	1.3834	1.3796	1.3758	1.3718	1.3665	1.3629	1.3604	15
16	1.4249	1.5137	1.5103	1.4965	1.4827	1.4705	1.4601	1.4511	1.4433	1.4366	1.4255	1.4131	1.3990	1.3897	1.3830	1.3742	1.3685	1.3646	1.3606	1.3565	1.3509	1.3471	1.3446	
17	1.4186	1.5057	1.5015	1.4872	1.4730	1.4605	1.4497	1.4405	1.4325	1.4256	1.4142	1.4014	1.3869	1.3773	1.3704	1.3613	1.3554	1.3514	1.3472	1.3429	1.3371	1.3331	1.3304	
18	1.4130	1.4988	1.4938	1.4790	1.4644	1.4516	1.4406	1.4311	1.4230	1.4159	1.4042	1.3911	1.3762	1.3663	1.3592	1.3497	1.3437	1.3395	1.3352	1.3307	1.3247	1.3205	1.3178	
19	1.4081	1.4925	1.4870	1.4717	1.4568	1.4437	1.4325	1.4228	1.4145	1.4073	1.3953	1.3819	1.3666	1.3565	1.3492	1.3394	1.3332	1.3289	1.3244	1.3198	1.3135	1.3092	1.3063	
20	1.4037	1.4870	1.4808	1.4652	1.4500	1.4366	1.4252	1.4153	1.4069	1.3995	1.3873	1.3736	1.3580	1.3476	1.3401	1.3301	1.3237	1.3193	1.3146	1.3099	1.3034	1.2990	1.2960	20
22	1.3961	1.4774	1.4703	1.4540	1.4382	1.4244	1.4126	1.4025	1.3937	1.3861	1.3735	1.3593	1.3431	1.3323	1.3245	1.3140	1.3072	1.3026	1.2977	1.2926	1.2858	1.2811	1.2779	
24	1.3898	1.4695	1.4615	1.4447	1.4285	1.4143	1.4022	1.3918	1.3828	1.3750	1.3621	1.3474	1.3307	1.3194	1.3113	1.3004	1.2934	1.2885	1.2834	1.2781	1.2709	1.2659	1.2625	
26	1.3845	1.4629	1.4542	1.4369	1.4203	1.4058	1.3935	1.3828	1.3736	1.3656	1.3524	1.3374	1.3202	1.3086	1.3002	1.2889	1.2816	1.2765	1.2712	1.2657	1.2582	1.2529	1.2493	
28	1.3800	1.4573	1.4480	1.4302	1.4133	1.3986	1.3860	1.3752	1.3658	1.3576	1.3441	1.3288	1.3112	1.2992	1.2906	1.2790	1.2715	1.2662	1.2607	1.2549	1.2471	1.2416	1.2379	
30	1.3761	1.4524	1.4426	1.4244	1.4073	1.3923	1.3795	1.3685	1.3590	1.3507	1.3369	1.3213	1.3033	1.2911	1.2823	1.2703	1.2626	1.2571	1.2514	1.2455	1.2374	1.2316	1.2277	30
35	1.3683	1.4427	1.4318	1.4130	1.3953	1.3799	1.3667	1.3553	1.3455	1.3369	1.3226	1.3064	1.2876	1.2748	1.2656	1.2529	1.2446	1.2388	1.2327	1.2263	1.2175	1.2113	1.2070	
40	1.3626	1.4355	1.4239	1.4045	1.3863	1.3706	1.3571	1.3455	1.3354	1.3266	1.3119	1.2952	1.2758	1.2626	1.2529	1.2397	1.2310	1.2249	1.2184	1.2116	1.2022	1.1955	1.1909	
45	1.3581	1.4299	1.4177	1.3979	1.3794	1.3634	1.3496	1.3378	1.3275	1.3186	1.3036	1.2865	1.2666	1.2530	1.2430	1.2292	1.2202	1.2138	1.2071	1.1999	1.1900	1.1828	1.1779	
50	1.3546	1.4255	1.4128	1.3927	1.3739	1.3576	1.3437	1.3317	1.3213	1.3122	1.2970	1.2795	1.2592	1.2452	1.2350	1.2208	1.2115	1.2049	1.1979	1.1904	1.1800	1.1724	1.1673	50
60	1.3493	1.4188	1.4055	1.3848	1.3657	1.3491	1.3348	1.3226	1.3119	1.3026	1.2870	1.2690	1.2481	1.2336	1.2229	1.2081	1.1983	1.1912	1.1838	1.1757	1.1645	1.1563	1.1506	
70	1.3455	1.4141	1.4002	1.3793	1.3598	1.3430	1.3285	1.3161	1.3052	1.2958	1.2799	1.2616	1.2401	1.2252	1.2142	1.1989	1.1886	1.1813	1.1734	1.1650	1.1531	1.1442	1.1381	
80	1.3427	1.4106	1.3964	1.3751	1.3554	1.3384	1.3238	1.3112	1.3002	1.2906	1.2745	1.2559	1.2341	1.2189	1.2076	1.1919	1.1813	1.1737	1.1656	1.1567	1.1442	1.1349	1.1282	
90	1.3406	1.4079	1.3933	1.3719	1.3520	1.3349	1.3201	1.3074	1.2964	1.2866	1.2704	1.2516	1.2294	1.2139	1.2024	1.1864	1.1756	1.1677	1.1593	1.1502	1.1371	1.1273	1.1203	
100	1.3388	1.4057	1.3909	1.3693	1.3493	1.3321	1.3172	1.3044	1.2933	1.2835	1.2670	1.2481	1.2256	1.2100	1.1983	1.1819	1.1709	1.1629	1.1543	1.1449	1.1313	1.1211	1.1137	100
125	1.3357	1.4018	1.3866	1.3647	1.3445	1.3270	1.3120	1.2990	1.2877	1.2777	1.2611	1.2417	1.2189	1.2028	1.1908	1.1739	1.1624	1.1541	1.1450	1.1350	1.1205	1.1094	1.1012	
150	1.3336	1.3992	1.3837	1.3616	1.3412	1.3236	1.3085	1.2954	1.2840	1.2739	1.2571	1.2375	1.2143	1.1980	1.1858	1.1685	1.1567	1.1481	1.1387	1.1283	1.1131	1.1012	1.0923	
175	1.3321	1.3973	1.3817	1.3594	1.3389	1.3212	1.3060	1.2928	1.2813	1.2712	1.2542	1.2345	1.2111	1.1945	1.1821	1.1645	1.1525	1.1437	1.1341	1.1234	1.1075	1.0950	1.0856	
200	1.3310	1.3959	1.3801	1.3578	1.3372	1.3194	1.3041	1.2909	1.2793	1.2692	1.2521	1.2322	1.2086	1.1919	1.1794	1.1616	1.1494	1.1404	1.1306	1.1196	1.1033	1.0903	1.0803	
250	1.3295	1.3940	1.3780	1.3555	1.3348	1.3169	1.3015	1.2882	1.2765	1.2663	1.2491	1.2291	1.2052	1.1883	1.1756	1.1574	1.1450	1.1357	1.1256	1.1143	1.0972	1.0833	1.0725	250
300	1.3284	1.3927	1.3766	1.3539	1.3332	1.3152	1.2997	1.2864	1.2747	1.2644	1.2471	1.2269	1.2029	1.1859	1.1730	1.1546	1.1420	1.1326	1.1223	1.1106	1.0930	1.0784	1.0669	
350	1.3277	1.3918	1.3755	1.3528	1.3320	1.3140	1.2985	1.2851	1.2734	1.2630	1.2457	1.2254	1.2013	1.1841	1.1712	1.1526	1.1398	1.1303	1.1198	1.1080	1.0899	1.0748	1.0627	
400	1.3272	1.3911	1.3748	1.3520	1.3312	1.3131	1.2975	1.2841	1.2724	1.2620	1.2446	1.2243	1.2000	1.1828	1.1698	1.1511	1.1382	1.1286	1.1180	1.1060	1.0876	1.0721	1.0594	
450	1.3267	1.3906	1.3742	1.3514	1.3305	1.3124	1.2968	1.2833	1.2716	1.2612	1.2438	1.2234	1.1991	1.1818	1.1687	1.1499	1.1369	1.1273	1.1166	1.1044	1.0857	1.0698	1.0567	
500	1.3264	1.3901	1.3737	1.3509	1.3299	1.3118	1.2962	1.2828	1.2710	1.2606	1.2431	1.2227	1.1983	1.1810	1.1678	1.1490	1.1359	1.1262	1.1154	1.1032	1.0842	1.0680	1.0545	500
600	1.3259	1.3895	1.3730	1.3501	1.3291	1.3110	1.2954	1.2819	1.2700	1.2596	1.2421	1.2216	1.1972	1.1797	1.1665	1.1476	1.1344	1.1246	1.1137	1.1013	1.0819	1.0653	1.0511	
700	1.3255	1.3890	1.3725	1.3496	1.3286	1.3104	1.2947	1.2812	1.2694	1.2590	1.2414	1.2209	1.1963	1.1788	1.1656	1.1466	1.1333	1.1234	1.1124	1.0999	1.0803	1.0632	1.0485	
800	1.3252	1.3887	1.3721	1.3492	1.3281	1.3099	1.2943	1.2807	1.2689	1.2585	1.2409	1.2203	1.1957	1.1782	1.1649	1.1458	1.1325	1.1226	1.1115	1.0989	1.0790	1.0617	1.0465	
900	1.3250	1.3884	1.3718	1.3489	1.3278	1.3096	1.2939	1.2804	1.2685	1.2581	1.2404	1.2199	1.1952	1.1777	1.1644	1.1452	1.1318	1.1219	1.1107	1.0980	1.0780	1.0605	1.0449	
1,000	1.3248	1.3882	1.3716	1.3486	1.3275	1.3093	1.2936	1.2801	1.2682	1.2577	1.2401	1.2195	1.1949	1.1773	1.1639	1.1447	1.1313	1.1213	1.1102	1.0974	1.0773	1.0595	1.0436	1,000
2,000	1.3241	1.3873	1.3705	1.3475	1.3263	1.3081	1.2923	1.2787	1.2668	1.2563	1.2386	1.2179	1.1931	1.1754	1.1620	1.1426	1.1290	1.1189	1.1075	1.0944	1.0736	1.0548	1.0372	
3,000	1.3238	1.3869	1.3702	1.3471	1.3259	1.3076	1.2919	1.2783	1.2663	1.2558	1.2381	1.2174	1.1925	1.1748	1.1613	1.1418	1.1282	1.1180	1.1066	1.0934	1.0724	1.0532	1.0349	
4,000	1.3237	1.3868	1.3700	1.3469	1.3257	1.3074	1.2917	1.2780	1.2661	1.2556	1.2379	1.2171	1.1923	1.1745	1.1610	1.1415	1.1278	1.1176	1.1061	1.0929	1.0718	1.0524	1.0337	
5,000	1.3236	1.3867	1.3699	1.3468	1.3256	1.3073	1.2915	1.2779	1.2660	1.2555	1.2377	1.2170	1.1921	1.1743	1.1608	1.1413	1.1276	1.1174	1.1059	1.0926	1.0714	1.0519	1.0329	
7,500	1.3235	1.3866	1.3697	1.3466	1.3255	1.3071	1.2914	1.2777	1.2658	1.2553	1.2375	1.2168	1.1918	1.1740	1.1605	1.1410	1.1273	1.1170	1.1055	1.0922	1.0709	1.0512	1.0319	
10,000	1.3235	1.3865	1.3697	1.3465	1.3254	1.3071	1.2913	1.2776	1.2657	1.2552	1.2374	1.2167	1.1917	1.1739	1.1604	1.1408	1.1271	1.1169	1.1053	1.0920	1.0706	1.0509	1.0314	10,000
	1	2	3	4	5	6	7	8	9	10	12	15	20	25	30	40	50	60	75	100	175	350	1,000	

$F^{\nu_1,\nu_2}_{.75}$