

Figure 13.13c. 75th 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 $\Pr(Y \leq y) = 0.75$ (v_1 is the numerator, v_2 the denominator, degrees of freedom)

$\downarrow$ v_2/v_1	Each table entry is the value (y) of the random variable $Y \sim F_{v_1, v_2}$ such that $\Pr(Y \leq y) = 0.75$ (v_1 is the numerator, v_2 the denominator, degrees of freedom)																								
	1	2	3	4	5	6	7	8	9	10	12	15	20	25	30	40	50	60	75	100	175	350		1,000	
2017-02-20	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	1.8714	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	
F_{v_1, v_2} 75	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	1.2191	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																			