

F Distribution:		Critical Values for a Right Tail with Area .01									
	DF1	1	2	3	4	5	6	7	8	9	10
DF2	1	4052.1810	4999.5000	5403.3520	5624.5830	5763.6500	5858.9860	5928.3560	5981.0700	6022.4730	6055.8470
	2	98.5030	99.0000	99.1660	99.2490	99.2990	99.3330	99.3560	99.3740	99.3880	99.3990
	3	34.1160	30.8170	29.4570	28.7100	28.2370	27.9110	27.6720	27.4890	27.3450	27.2290
	4	21.1980	18.0000	16.6940	15.9770	15.5220	15.2070	14.9760	14.7990	14.6590	14.5460
	5	16.2580	13.2740	12.0600	11.3920	10.9670	10.6720	10.4560	10.2890	10.1580	10.0510
	6	13.7450	10.9250	9.7800	9.1480	8.7460	8.4660	8.2600	8.1020	7.9760	7.8740
	7	12.2460	9.5470	8.4510	7.8470	7.4600	7.1910	6.9930	6.8400	6.7190	6.6200
	8	11.2590	8.6490	7.5910	7.0060	6.6320	6.3710	6.1780	6.0290	5.9110	5.8140
	9	10.5610	8.0220	6.9920	6.4220	6.0570	5.8020	5.6130	5.4670	5.3510	5.2570
	10	10.0440	7.5590	6.5520	5.9940	5.6360	5.3860	5.2000	5.0570	4.9420	4.8490
	11	9.6460	7.2060	6.2170	5.6680	5.3160	5.0690	4.8860	4.7440	4.6320	4.5390
	12	9.3300	6.9270	5.9530	5.4120	5.0640	4.8210	4.6400	4.4990	4.3880	4.2960
	13	9.0740	6.7010	5.7390	5.2050	4.8620	4.6200	4.4410	4.3020	4.1910	4.1000
	14	8.8620	6.5150	5.5640	5.0350	4.6950	4.4560	4.2780	4.1400	4.0300	3.9390
	15	8.6830	6.3590	5.4170	4.8930	4.5560	4.3180	4.1420	4.0040	3.8950	3.8050
	16	8.5310	6.2260	5.2920	4.7730	4.4370	4.2020	4.0260	3.8900	3.7800	3.6910
	17	8.4000	6.1120	5.1850	4.6690	4.3360	4.1020	3.9270	3.7910	3.6820	3.5930
	18	8.2850	6.0130	5.0920	4.5790	4.2480	4.0150	3.8410	3.7050	3.5970	3.5080
	19	8.1850	5.9260	5.0100	4.5000	4.1710	3.9390	3.7650	3.6310	3.5230	3.4340
	20	8.0960	5.8490	4.9380	4.4310	4.1030	3.8710	3.6990	3.5640	3.4570	3.3680
	21	8.0170	5.7800	4.8740	4.3690	4.0420	3.8120	3.6400	3.5060	3.3980	3.3100
	22	7.9450	5.7190	4.8170	4.3130	3.9880	3.7580	3.5870	3.4530	3.3460	3.2580
	23	7.8810	5.6640	4.7650	4.2640	3.9390	3.7100	3.5390	3.4060	3.2990	3.2110
	24	7.8230	5.6140	4.7180	4.2180	3.8950	3.6670	3.4960	3.3630	3.2560	3.1680
	25	7.7700	5.5680	4.6750	4.1770	3.8550	3.6270	3.4570	3.3240	3.2170	3.1290
	26	7.7210	5.5260	4.6370	4.1400	3.8180	3.5910	3.4210	3.2880	3.1820	3.0940
	27	7.6770	5.4880	4.6010	4.1060	3.7850	3.5580	3.3880	3.2560	3.1490	3.0620
	28	7.6360	5.4530	4.5680	4.0740	3.7540	3.5280	3.3580	3.2260	3.1200	3.0320
	29	7.5980	5.4200	4.5380	4.0450	3.7250	3.4990	3.3300	3.1980	3.0920	3.0050
	30	7.5620	5.3900	4.5100	4.0180	3.6990	3.4730	3.3040	3.1730	3.0670	2.9790
	40	7.3140	5.1790	4.3130	3.8280	3.5140	3.2910	3.1240	2.9930	2.8880	2.8010
	60	7.0770	4.9770	4.1260	3.6490	3.3390	3.1190	2.9530	2.8230	2.7180	2.6320
	inf	6.6350	4.6050	3.7820	3.3190	3.0170	2.8020	2.6390	2.5110	2.4070	2.3210

F Distribution:		Critical Values for a Right Tail with Area .01 (continued)									
	DF1	12	15	20	24	30	40	60	120	INF	
DF2	1	6106.3210	6157.2850	6208.7300	6234.6310	6260.6490	6286.7820	6313.0300	6339.3910	6365.8640	
	2	99.4160	99.4330	99.4490	99.4580	99.4660	99.4740	99.4820	99.4910	99.4990	
	3	27.0520	26.8720	26.6900	26.5980	26.5050	26.4110	26.3160	26.2210	26.1250	
	4	14.3740	14.1980	14.0200	13.9290	13.8380	13.7450	13.6520	13.5580	13.4630	
	5	9.8880	9.7220	9.5530	9.4660	9.3790	9.2910	9.2020	9.1120	9.0200	
	6	7.7180	7.5590	7.3960	7.3130	7.2290	7.1430	7.0570	6.9690	6.8800	
	7	6.4690	6.3140	6.1550	6.0740	5.9920	5.9080	5.8240	5.7370	5.6500	
	8	5.6670	5.5150	5.3590	5.2790	5.1980	5.1160	5.0320	4.9460	4.8590	
	9	5.1110	4.9620	4.8080	4.7290	4.6490	4.5670	4.4830	4.3980	4.3110	
	10	4.7060	4.5580	4.4050	4.3270	4.2470	4.1650	4.0820	3.9960	3.9090	
	11	4.3970	4.2510	4.0990	4.0210	3.9410	3.8600	3.7760	3.6900	3.6020	
	12	4.1550	4.0100	3.8580	3.7800	3.7010	3.6190	3.5350	3.4490	3.3610	
	13	3.9600	3.8150	3.6650	3.5870	3.5070	3.4250	3.3410	3.2550	3.1650	
	14	3.8000	3.6560	3.5050	3.4270	3.3480	3.2660	3.1810	3.0940	3.0040	
	15	3.6660	3.5220	3.3720	3.2940	3.2140	3.1320	3.0470	2.9590	2.8680	
	16	3.5530	3.4090	3.2590	3.1810	3.1010	3.0180	2.9330	2.8450	2.7530	
	17	3.4550	3.3120	3.1620	3.0840	3.0030	2.9200	2.8350	2.7460	2.6530	
	18	3.3710	3.2270	3.0770	2.9990	2.9190	2.8350	2.7490	2.6600	2.5660	
	19	3.2970	3.1530	3.0030	2.9250	2.8440	2.7610	2.6740	2.5840	2.4890	
	20	3.2310	3.0880	2.9380	2.8590	2.7780	2.6950	2.6080	2.5170	2.4210	
	21	3.1730	3.0300	2.8800	2.8010	2.7200	2.6360	2.5480	2.4570	2.3600	
	22	3.1210	2.9780	2.8270	2.7490	2.6670	2.5830	2.4950	2.4030	2.3050	
	23	3.0740	2.9310	2.7810	2.7020	2.6200	2.5350	2.4470	2.3540	2.2560	
	24	3.0320	2.8890	2.7380	2.6590	2.5770	2.4920	2.4030	2.3100	2.2110	
	25	2.9930	2.8500	2.6990	2.6200	2.5380	2.4530	2.3640	2.2700	2.1690	
	26	2.9580	2.8150	2.6640	2.5850	2.5030	2.4170	2.3270	2.2330	2.1310	
	27	2.9260	2.7830	2.6320	2.5520	2.4700	2.3840	2.2940	2.1980	2.0970	
	28	2.8960	2.7530	2.6020	2.5220	2.4400	2.3540	2.2630	2.1670	2.0640	
	29	2.8680	2.7260	2.5740	2.4950	2.4120	2.3250	2.2340	2.1380	2.0340	
	30	2.8430	2.7000	2.5490	2.4690	2.3860	2.2990	2.2080	2.1110	2.0060	
	40	2.6650	2.5220	2.3690	2.2880	2.2030	2.1140	2.0190	1.9170	1.8050	
	60	2.4960	2.3520	2.1980	2.1150	2.0280	1.9360	1.8360	1.7260	1.6010	
	inf	2.1850	2.0390	1.8780	1.7910	1.6960	1.5920	1.4730	1.3250	1.0000	