

▣ BASIC LINEAR DESIGN

ORDER SECTION	REAL PART		IMAGINARY PART		F ₀	α	Q	-3 dB FREQUENCY	PEAKING FREQUENCY	PEAKING LEVEL
	PART	PART	PART	PART						
2	0.7071	0.7071	0.7071	0.7071	1.0000	1.4142	0.7071	1.0000		
3	0.5000	0.8660	0.8660	0.8660	1.0000	1.0000	1.0000	1.0000	0.7071	1.2493
4	0.9239	0.3827	0.3827	0.9239	1.0000	1.8478	0.5412	0.7195	0.8409	3.0102
5	0.8090	0.5878	0.5878	0.8090	1.0000	1.6180	0.6180	0.8588		
6	0.9659	0.2588	0.2588	0.9659	1.0000	1.9319	0.5176	0.6758	0.8995	4.6163
7	0.9010	0.4339	0.4339	0.9010	1.0000	1.8019	0.5550	0.7449	0.9306	6.0210
8	0.9808	0.1951	0.1951	0.9808	1.0000	1.9616	0.5098		0.4717	0.2204
9	0.9397	0.3420	0.3420	0.9397	1.0000	1.8794	0.5321	0.7026	0.9492	7.2530
10	0.9877	0.1564	0.1564	0.9877	1.0000	1.9754	0.5062		0.7071	1.2493
	0.8910	0.4540	0.4540	0.8910	1.0000	1.7820	0.5612	0.9172	0.9694	9.3165
	0.7071	0.7071	0.7071	0.7071	1.0000	1.4142	0.7071	1.0000		
	0.4540	0.8910	0.8910	0.4540	1.0000	0.9080	1.1013		0.7667	1.8407
	0.1564	0.9877	0.9877	0.1564	1.0000	0.3128	3.1970	1.0000	0.9752	10.2023

Figure 8.26: Butterworth Design Table

**ANALOG FILTERS
STANDARD RESPONSES**

ORDER	SECTION	REAL PART		IMAGINARY PART		F ₀	α	Q	-3 dB FREQUENCY	PEAKING FREQUENCY	PEAKING LEVEL
		1	2	1	2						
2	1	0.6743	0.7075	0.9774	1.3798	0.7247		0.2142		0.0100	
3	1	0.4233	0.8663	0.9642	0.8780	1.1389		0.7558		2.0595	
	2	0.8467		0.8467				0.8467			
4	1	0.6762	0.3828	0.7770	1.7405	0.5746		0.6069		5.1110	
	2	0.2801	0.9241	0.9656	0.5801	1.7237			0.8806		
5	1	0.5120	0.5879	0.7796	1.3135	0.7613			0.2889	0.0827	
	2	0.1956	0.9512	0.9711	0.4028	2.4824		0.6328	0.9309	8.0772	
	3	0.6328		0.6328							
6	1	0.5335	0.2588	0.5930	1.7995	0.5557		0.4425			
	2	0.3906	0.7072	0.8079	0.9670	1.0342			0.5895	1.4482	
	3	0.1430	0.9660	0.9765	0.2929	3.4144			0.9554	10.7605	
7	1	0.4393	0.4339	0.6175	1.4229	0.7028		0.6136			
	2	0.3040	0.7819	0.8389	0.7247	1.3798			0.7204	3.4077	
	3	0.1085	0.9750	0.9810	0.2212	4.5208			0.9689	13.1578	
	4	0.4876		0.4876				0.4876			
8	1	0.4268	0.1951	0.4693	1.8190	0.5498		0.3451			
	2	0.3168	0.5556	0.6396	0.9907	1.0094			0.4564	1.3041	
	3	0.2418	0.8315	0.8659	0.5585	1.7906			0.7956	5.4126	
	4	0.0849	0.9808	0.9845	0.1725	5.7978			0.9771	15.2977	
9	1	0.3686	0.3420	0.5028	1.4661	0.6821		0.4844			
	2	0.3005	0.5428	0.7096	0.8470	1.1807			0.5682	2.3008	
	3	0.1961	0.8661	0.8880	0.4417	2.2642			0.8436	7.3155	
	4	0.0681	0.9848	0.9872	0.1380	7.2478			0.9824	17.2249	
	5	0.3923		0.3923				0.3923			
10	1	0.3522	0.1564	0.3654	1.8279	0.5471		0.2814			
	2	0.3178	0.454	0.5542	1.1469	0.8719			0.3242	0.5412	
	3	0.2522	0.7071	0.7507	0.6719	1.4884			0.6606	3.9742	
	4	0.1619	0.891	0.9056	0.3576	2.7968			0.8762	9.0742	
	5	0.0558	0.9877	0.9893	0.1128	8.8645			0.9861	18.9669	

Figure 8.27: 0.01 dB Chebyshev Design Table

▣ BASIC LINEAR DESIGN

ORDER	SECTION	REAL PART		IMAGINARY PART		F ₀	α	Q	-3 dB FREQUENCY		PEAKING FREQUENCY		PEAKING LEVEL	
		1	2	1	2				1	2	1	2	1	2
2	1	0.6104	0.7106			0.9368	1.3032	0.7673			0.3638			0.0999
3	1	0.3490	0.8684			0.9359	0.7458	1.3408			0.7952			3.1978
	2	0.6970				0.6970			0.6970					
4	1	0.2177	0.9254			0.9507	0.4580	2.1834			0.8994			7.0167
	2	0.5257	0.3833			0.6506	1.6160	0.6188	0.5596					
5	1	0.3842	0.5884			0.7027	1.0935	0.9145			0.4457			0.7662
	2	0.1468	0.9521			0.9634	0.3048	3.2812			0.9407			10.4226
	3	0.4749				0.4749			0.4749					
6	1	0.3916	0.2590			0.4695	1.6682	0.5995	0.3879					
	2	0.2867	0.7077			0.7636	0.7509	1.3316			0.6470			3.1478
	3	0.1049	0.9667			0.9724	0.2158	4.6348			0.9610			13.3714
7	1	0.3178	0.4341			0.5380	1.1814	0.8464			0.2957			0.4157
	2	0.2200	0.7823			0.8126	0.5414	1.8469			0.7507			5.6595
	3	0.0785	0.9755			0.9787	0.1604	6.2335			0.9723			15.9226
	4	0.3528				0.3528			0.3528					
8	1	0.3058	0.1952			0.3628	1.6858	0.5932	0.2956					
	2	0.2529	0.5558			0.6106	0.8283	1.2073			0.4949			2.4532
	3	0.1732	0.8319			0.8497	0.4077	2.4531			0.8137			7.9784
	4	0.0608	0.9812			0.9831	0.1237	8.0819			0.9793			18.1669
9	1	0.2622	0.3421			0.4310	1.2166	0.8219			0.2197			0.3037
	2	0.2137	0.6430			0.6776	0.6308	1.5854			0.6064			4.4576
	3	0.1395	0.8663			0.8775	0.3180	3.1450			0.8550			10.0636
	4	0.0485	0.9852			0.9864	0.0982	10.1795			0.9840			20.1650
	5	0.2790				0.2790			0.2790					
10	1	0.2493	0.1564			0.2943	1.6942	0.5902	0.2382					
	2	0.2249	0.4541			0.5067	0.8876	1.1266			0.3945			1.9880
	3	0.1785	0.7073			0.7295	0.4894	2.0434			0.6844			6.4750
	4	0.1146	0.8913			0.8986	0.2551	3.9208			0.8839			11.9386
	5	0.0395	0.9880			0.9888	0.0799	12.5163			0.9872			21.9565

Figure 8.28: 0.1 dB Chebyshev Design Table

**ANALOG FILTERS
STANDARD RESPONSES**

ORDER	SECTION		REAL PART		IMAGINARY PART		F ₀	α	Q	-3 dB		PEAKING	
	SECTION	PART	PART	PART	FREQUENCY	FREQUENCY				FREQUENCY	LEVEL		
2	1	0.5621	0.7154	0.9098	1.2356	0.8093				0.4425		0.2502	
3	1	0.3062	0.8712	0.9234	0.6632	1.5079				0.8156		4.0734	
	2	0.6124		0.6124					0.6124				
4	1	0.4501	0.3840	0.5916	1.5215	0.6572				0.5470			
	2	0.1865	0.9272	0.9458	0.3944	2.5356				0.9082		8.2538	
5	1	0.3247	0.5892	0.6727	0.9653	1.0359				0.4917		1.4585	
	2	0.1240	0.9533	0.9613	0.2580	3.8763				0.9452		11.8413	
	3	0.4013		0.4013					0.4013				
6	1	0.3284	0.2593	0.4184	1.5697	0.6371				0.3730			
	2	0.2404	0.7083	0.7480	0.6428	1.5557				0.6663		4.3121	
	3	0.0880	0.9675	0.9715	0.1811	5.205				0.9635		14.8753	
7	1	0.2652	0.4344	0.5090	1.0421	0.9596				0.3441		1.0173	
	2	0.1835	0.7828	0.8040	0.4565	2.1908				0.7610		7.0443	
	3	0.0655	0.9761	0.9783	0.1339	7.4679				0.9739		17.4835	
	4	0.2944		0.2944					0.2944				
8	1	0.2543	0.1953	0.3206	1.5862	0.6304				0.2822			
	2	0.2156	0.5561	0.5964	0.7230	1.3832				0.5126		3.4258	
	3	0.1441	0.8323	0.8447	0.3412	2.9309				0.8197		9.4683	
	4	0.0506	0.9817	0.9830	0.1029	9.7173				0.9804		19.7624	
9	1	0.2176	0.3423	0.4056	1.0730	0.9320				0.2642		0.8624	
	2	0.1774	0.6433	0.6673	0.5317	1.8808				0.6184		5.8052	
	3	0.1158	0.8667	0.8744	0.2649	3.7755				0.8589		11.6163	
	4	0.0402	0.9856	0.9864	0.0815	12.2659				0.9848		21.7812	
	5	0.2315		0.2315					0.2315				
10	1	0.2065	0.1565	0.2591	1.5940	0.6274				0.2267			
	2	0.1863	0.4543	0.4910	0.7588	1.3178				0.4143		3.0721	
	3	0.1478	0.7075	0.7228	0.4090	2.4451				0.6919		7.9515	
	4	0.0949	0.8915	0.8965	0.2117	4.7236				0.8864		13.5344	
	5	0.0327	0.9883	0.9888	0.0661	15.1199				0.9878		23.5957	

Figure 8.29: 0.25 dB Chebyshev Design Table

▣ BASIC LINEAR DESIGN

ORDER	SECTION	REAL PART		IMAGINARY PART		F ₀	α	Q	-3 dB		PEAKING	
		PART	PART	PART	PART				FREQUENCY	FREQUENCY	FREQUENCY	LEVEL
2	1	0.5129	0.7225	1.2314	1.1577	0.8638				0.7072		0.5002
3	1	0.2683	0.8753	1.0688	0.5861	1.7061				0.9727		5.0301
	2	0.5366		0.6265					0.6265			
4	1	0.3872	0.3850	0.5969	1.4182	0.7051			0.5951			9.4918
	2	0.1605	0.9297	1.0313	0.3402	2.9391				1.0010		
5	1	0.2767	0.5902	0.6905	0.8490	1.1779					0.5522	2.2849
	2	0.1057	0.9550	1.0178	0.2200	4.5451				1.0054		13.2037
	3	0.3420		0.3623					0.3623			
6	1	0.2784	0.2596	0.3963	1.4627	0.6836			0.3827			
	2	0.2037	0.7091	0.7680	0.5522	1.8109				0.7071		5.5025
	3	0.0746	0.9687	1.0114	0.1536	6.5119				1.0055		16.2998
7	1	0.2241	0.4349	0.5040	0.9161	1.0916					0.3839	1.7838
	2	0.1550	0.7836	0.8228	0.3881	2.5767				0.7912		8.3880
	3	0.0553	0.9771	1.0081	0.1130	8.8487				1.0049		18.9515
	4	0.2487		0.2562					0.2562			
8	1	0.2144	0.1955	0.2968	1.4779	0.6767			0.2835			
	2	0.1817	0.5565	0.5989	0.6208	1.6109				0.5381		4.5815
	3	0.1214	0.8328	0.8610	0.2885	3.4662				0.8429		10.8885
	4	0.0426	0.9824	1.0060	0.0867	11.5305				1.0041		21.2452
9	1	0.1831	0.3425	0.3954	0.9429	1.0605					0.2947	1.6023
	2	0.1493	0.6436	0.6727	0.4520	2.2126				0.6374		7.1258
	3	0.0974	0.8671	0.8884	0.2233	4.4779				0.8773		13.0759
	4	0.0338	0.9861	1.0046	0.0686	14.5829				1.0034		23.2820
	5	0.1949		0.1984					0.1984			
10	1	0.1736	0.1566	0.2338	1.4851	0.6734			0.2221			
	2	0.1566	0.4545	0.4807	0.6515	1.5349				0.4267		4.2087
	3	0.1243	0.7078	0.7186	0.3459	2.8907				0.6968		9.3520
	4	0.0798	0.8919	0.8955	0.1782	5.6107				0.8883		15.0149
	5	0.0275	0.9887	0.9891	0.0556	17.9833				0.9883		25.1008

Figure 8.30: 0.5 dB Chebyshev Design Table

**ANALOG FILTERS
STANDARD RESPONSES**

ORDER	SECTION	REAL PART		IMAGINARY PART		F ₀	α	Q	-3 dB		PEAKING LEVEL
		PART	PART	PART	PART				FREQUENCY	FREQUENCY	
2	1	0.4508	0.7351			0.8623	1.0456	0.9564		0.5806	0.9995
3	1	0.2257	0.8822			0.9106	0.4957	2.0173		0.8528	6.3708
	2	0.4513				0.4513			0.4513		
4	1	0.3199	0.3888			0.5019	1.2746	0.7845		0.2174	0.1557
	2	0.1325	0.9339			0.9433	0.2809	3.5594		0.9245	11.1142
5	1	0.2265	0.5918			0.6337	0.7149	1.3988		0.5467	3.5089
	2	0.0865	0.9575			0.9614	0.1800	5.5559		0.9536	14.9305
	3	0.2800				0.2800			0.2800		
6	1	0.2268	0.2601			0.3451	1.3144	0.7608		0.1273	0.0813
	2	0.1550	0.7106			0.7273	0.4262	2.3462		0.6935	7.6090
	3	0.0608	0.9707			0.9726	0.1249	8.0036		0.9688	18.0827
7	1	0.1819	0.4354			0.4719	0.7710	1.2971		0.3956	2.9579
	2	0.1259	0.7846			0.7946	0.3169	3.1558		0.7744	10.0927
	3	0.0449	0.9785			0.9795	0.0918	10.8982		0.9775	20.7563
	4	0.2019				0.2019			0.2019		
8	1	0.1737	0.1956			0.2616	1.3280	0.7530		0.0899	0.0611
	2	0.1473	0.5571			0.5762	0.5112	1.9560		0.5373	6.1210
	3	0.0984	0.8337			0.8395	0.2344	4.2657		0.8279	12.6599
	4	0.0346	0.9836			0.9842	0.0702	14.2391		0.9830	23.0750
9	1	0.1482	0.3427			0.3734	0.7938	1.2597		0.3090	2.7498
	2	0.1208	0.6442			0.6554	0.3686	2.7129		0.6328	8.8187
	3	0.0788	0.8679			0.8715	0.1809	5.5268		0.8643	14.8852
	4	0.0274	0.9869			0.9873	0.0555	18.0226		0.9865	25.1197
	5	0.1577				0.1577			0.1577		
10	1	0.1403	0.1567			0.2103	1.3341	0.7496		0.0698	0.0530
	2	0.1266	0.4548			0.4721	0.5363	1.8645		0.4368	5.7354
	3	0.1005	0.7084			0.7155	0.2809	3.5597		0.7012	11.1147
	4	0.0645	0.8926			0.8949	0.1441	6.9374		0.8903	16.8466
	5	0.0222	0.9895			0.9897	0.0449	22.2916		0.9893	26.9650

Figure 8.31: 1 dB Chebyshev Design Table

▣ BASIC LINEAR DESIGN

ORDER	SECTION	REAL PART		IMAGINARY PART		F ₀	α	Q	-3 dB		PEAKING	
		PART	PART	PART	PART				FREQUENCY	FREQUENCY	FREQUENCY	LEVEL
2	1	1.1050	0.6368			1.2754	1.7328	0.5771	1.0020			
3	1	1.0509	1.0025			1.4524	1.4471	0.6910	1.4185			
	2	1.3270				1.3270			1.3270			
4	1	1.3596	0.4071			1.4192	1.9160	0.5219	0.9705			
	2	0.9877	1.2476			1.5912	1.2414	0.8055		0.7622		0.2349
5	1	1.3851	0.7201			1.5611	1.7745	0.5635	1.1876			
	2	0.9606	1.4756			1.7607	1.0911	0.9165		1.1201		0.7768
	3	1.5069				1.5069			1.5069			
6	1	1.5735	0.3213			1.6060	1.9596	0.5103	1.0638			
	2	1.3836	0.9727			1.6913	1.6361	0.6112	1.4323			
	3	0.9318	1.6640			1.9071	0.9772	1.0234		1.3786		1.3851
7	1	1.6130	0.5896			1.7174	1.8784	0.5324	1.2074			
	2	1.3797	1.1923			1.8235	1.5132	0.6608	1.6964			
	3	0.9104	1.8375			2.0507	0.8879	1.1262		1.5961		1.9860
	4	1.6853				1.6853			1.6853			
8	1	1.7627	0.2737			1.7838	1.9763	0.5060	1.1675			
	2	0.8955	2.0044			2.1953	0.8158	1.2258		1.7932		2.5585
	3	1.3780	1.3926			1.9591	1.4067	0.7109		0.2011		0.0005
	4	1.6419	0.8256			1.8378	1.7868	0.5597	1.3849			
9	1	1.8081	0.5126			1.8794	1.9242	0.5197	1.2774			
	2	1.6532	1.0319			1.9488	1.6966	0.5894	1.5747			
	3	1.3683	1.5685			2.0815	1.3148	0.7606		0.7668		0.0807
	4	0.8788	2.1509			2.3235	0.7564	1.3220		1.9632		3.0949
	5	1.8575				1.8575			1.8575			
10	1	1.9335	0.2451			1.9490	1.9841	0.5040	1.2685			
	2	1.8467	0.7335			1.9870	1.8587	0.5380	1.4177			
	3	1.6661	1.2246			2.0678	1.6115	0.6205	1.7848			
	4	1.3648	1.7395			2.2110	1.2346	0.8100		1.0785		0.2531
	5	0.8686	2.2994			2.4580	0.7067	1.4150		2.1291		3.5944

Figure 8.32: Bessel Design Table

**ANALOG FILTERS
STANDARD RESPONSES**

ORDER	SECTION	REAL PART		IMAGINARY PART		F ₀	α	Q	-3 dB		PEAKING	
		PART	PART	PART	PART				FREQUENCY	FREQUENCY	FREQUENCY	LEVEL
2	1	1.0087	0.6680			1.2098	1.6675	0.5997	0.9999			
3	1	0.8541	1.0725			1.3710	1.2459	0.8026		0.6487		0.2232
	2	1.0459				1.0459			1.0459			
4	1	0.9648	0.4748			1.0753	1.7945	0.5573	0.8056			
	2	0.7448	1.4008			1.5865	0.9389	1.0650		1.1864		1.6286
5	1	0.8915	0.8733			1.2480	1.4287	0.6999	1.2351			
	2	0.6731	1.7085			1.8363	0.7331	1.3641		1.5703		3.3234
	3	0.9430				0.9430			0.9430			
6	1	0.8904	0.4111			0.9807	1.8158	0.5507	0.7229			
	2	0.8233	1.2179			1.4701	1.1201	0.8928		0.8975		0.6495
	3	0.6152	1.9810			2.0743	0.5932	1.6859		1.8831		4.9365
7	1	0.8425	0.7791			1.1475	1.4684	0.6810	1.1036			
	2	0.7708	1.5351			1.7177	0.8975	1.1143		1.3276		1.9162
	3	0.5727	2.2456			2.3175	0.4942	2.0233		2.1713		6.3948
	4	0.8615				0.8615			0.8615			
8	1	0.8195	0.3711			0.8996	1.8219	0.5489	0.6600			
	2	0.7930	1.1054			1.3604	1.1658	0.8578		0.7701		0.4705
	3	0.7213	1.8134			1.9516	0.7392	1.3528		1.6638		3.2627
	4	0.5341	2.4761			2.5330	0.4217	2.3713		2.4178		7.6973
9	1	0.7853	0.7125			1.0604	1.4812	0.6751	1.0102			
	2	0.7555	1.4127			1.6020	0.9432	1.0602		1.1937		1.6005
	3	0.6849	2.0854			2.1950	0.6241	1.6024		1.9697		4.5404
	4	0.5060	2.7133			2.7601	0.3667	2.7274		2.6657		8.8633
	5	0.7983				0.7983			0.7983			
10	1	0.7592	0.3413			0.8324	1.8241	0.5482	0.6096			
	2	0.7467	1.0195			1.2637	1.1818	0.8462		0.6941		0.4145
	3	0.7159	1.6836			1.8295	0.7826	1.2778		1.5238		2.8507
	4	0.6475	2.3198			2.4085	0.5377	1.8598		2.2276		5.7152
	5	0.4777	2.9128			2.9517	0.3237	3.0895		2.8734		9.9130

Figure 8.33: Linear Phase with Equiripple Error of 0.05° Design Table

▣ BASIC LINEAR DESIGN

ORDER	SECTION	REAL PART		IMAGINARY PART		F ₀	α	Q	-3 dB		PEAKING	
		PART	PART	PART	PART				FREQUENCY	FREQUENCY	FREQUENCY	LEVEL
2	1	0.8590	0.6981			1.1069	1.5521	0.6443	1.0000			
3	1	0.6969	1.1318			1.3292	1.0486	0.9536		0.8918		0.9836
	2	0.8257				0.8257			0.8257			
4	1	0.7448	0.5133			0.9045	1.6468	0.6072	0.7597			
	2	0.6037	1.4983			1.6154	0.7475	1.3379		1.3713		3.1817
5	1	0.6775	0.9401			1.1588	1.1693	0.8552			0.6518	0.4579
	2	0.5412	1.8256			1.9041	0.5684	1.7592		1.7435		5.2720
	3	0.7056				0.7056			0.7056			
6	1	0.6519	0.4374			0.7850	1.6608	0.6021	0.6522			
	2	0.6167	1.2963			1.4355	0.8592	1.1639		1.1402		2.2042
	3	0.4893	2.0982			2.1545	0.4542	2.2016		2.0404		7.0848
7	1	0.6190	0.8338			1.0385	1.1922	0.8388			0.5586	0.3798
	2	0.5816	1.6455			1.7453	0.6665	1.5004		1.5393		4.0353
	3	0.4598	2.3994			2.4431	0.3764	2.6567		2.3549		8.6433
	4	0.6283				0.6283			0.6283			
8	1	0.5791	0.3857			0.6958	1.6646	0.6007	0.5764			
	2	0.5665	1.1505			1.2824	0.8835	1.1319		1.0014		2.0187
	3	0.5303	1.8914			1.9643	0.5399	1.8521		1.8155		5.6819
	4	0.4148	2.5780			2.6112	0.3177	3.1475		2.5444		10.0703
9	1	0.5688	0.7595			0.9489	1.1989	0.8341			0.5033	0.3581
	2	0.5545	1.5089			1.6076	0.6899	1.4496		1.4033		3.7748
	3	0.5179	2.2329			2.2922	0.4519	2.2130		2.1720		7.1270
	4	0.4080	2.9028			2.9313	0.2784	3.5923		2.8740		11.1925
	5	0.5728				0.5728			0.5728			
10	1	0.5249	0.3487			0.6302	1.6659	0.6003	0.5215			
	2	0.5193	1.0429			1.1650	0.8915	1.1217		0.9044		1.9598
	3	0.5051	1.7264			1.7988	0.5616	1.7806		1.6509		5.3681
	4	0.4711	2.3850			2.4311	0.3876	2.5802		2.3380		8.3994
	5	0.3708	2.9940			3.0169	0.2458	4.0681		2.9709		12.2539

Figure 8.34: Linear Phase with Equiripple Error of 0.5° Design Table

**ANALOG FILTERS
STANDARD RESPONSES**

ORDER	SECTION	REAL PART	IMAGINARY PART	F ₀	α	Q	-3 dB FREQUENCY	PEAKING FREQUENCY	PEAKING LEVEL
3	1	0.9360	1.2168	1.5352	1.2194	0.8201		0.7775	0.2956
	2	0.9360		0.9360			0.9360		
4	1	0.9278	1.6995	1.9363	0.9583	1.0435		1.4239	1.5025
	2	0.9192	0.5560	1.0743	1.7113	0.5844	0.8582		
5	1	0.8075	0.9973	1.2832	1.2585	0.7946		0.5853	0.1921
	2	0.7153	0.2053	0.7442	1.9224	0.5202	0.5065		
	3	0.8131		0.8131			0.8131		
6	1	0.7019	0.4322	0.8243	1.7030	0.5872	0.6627		
	2	0.6667	1.2931	1.4549	0.9165	1.0911		1.1080	1.7809
	3	0.4479	2.1363	2.1827	0.4104	2.4366		2.0888	7.9227
7	1	0.6155	0.7703	0.9860	1.2485	0.8010		0.4632	0.2168
	2	0.5486	1.5154	1.6116	0.6808	1.4689		1.4126	3.8745
	3	0.2905	2.1486	2.1681	0.2680	3.7318		2.1289	11.5169
	4	0.6291		0.6291			0.6291		
8	1	0.5441	0.3358	0.6394	1.7020	0.5876	0.5145		
	2	0.5175	0.9962	1.1226	0.9220	1.0846		0.8512	1.7432
	3	0.4328	1.6100	1.6672	0.5192	1.9260		1.5507	5.9962
	4	0.1978	2.0703	2.0797	0.1902	5.2571		2.0608	14.4545
9	1	0.4961	0.6192	0.7934	1.2505	0.7997		0.3705	0.2116
	2	0.4568	1.2145	1.2976	0.7041	1.4203		1.1253	3.6221
	3	0.3592	1.7429	1.7795	0.4037	2.4771		1.7055	8.0594
	4	0.1489	2.1003	2.1056	0.1414	7.0704		2.0950	17.0107
	5	0.5065		0.5065			0.5065		
10	1	0.4535	0.2794	0.5327	1.7028	0.5873	0.4283		
	2	0.4352	0.8289	0.9362	0.9297	1.0756		0.7055	1.6904
	3	0.3886	1.3448	1.3998	0.5552	1.8011		1.2874	5.4591
	4	0.2908	1.7837	1.8072	0.3218	3.1074		1.7598	9.9618
	5	0.1136	2.0599	2.0630	0.1101	9.0802		2.0568	19.1751

Figure 8.35: Gaussian to 12 dB Design Table

▣ BASIC LINEAR DESIGN

ORDER	SECTION	REAL		IMAGINARY		F ₀	α	Q	-3 dB		PEAKING	
		PART	PART	PART	PART				FREQUENCY	FREQUENCY	FREQUENCY	LEVEL
3	1	0.9622	1.2214	1.5549	1.2377	0.8080				0.7523		0.2448
	2	0.9776	0.5029	1.0994	1.7785	0.5623			0.8338			
4	1	0.7940	0.5029	0.9399	1.6896	0.5919			0.7636			
	2	0.6304	1.5407	1.6647	0.7574	1.3203				1.4058		3.0859
5	1	0.6190	0.8254	1.0317	1.1999	0.8334				0.5460		0.3548
	2	0.3559	1.5688	1.6087	0.4425	2.2600				1.5279		7.3001
	3	0.6650		0.6650					0.6650			
6	1	0.5433	0.3431	0.6426	1.6910	0.5914			0.5215			
	2	0.4672	0.9991	1.1029	0.8472	1.1804				0.8831		2.2992
	3	0.2204	1.5067	1.5227	0.2895	3.4545				1.4905		10.8596
7	1	0.4580	0.5932	0.7494	1.2223	0.8182				0.3770		0.2874
	2	0.3649	1.1286	1.1861	0.6153	1.6253				1.0680		4.6503
	3	0.1522	1.4938	1.5015	0.2027	4.9328				1.4860		13.9067
	4	0.4828		0.4828					0.4828			
8	1	0.4222	0.2640	0.4979	1.6958	0.5897			0.4026			
	2	0.3833	0.7716	0.8616	0.8898	1.1239				0.6697		1.9722
	3	0.2678	1.2066	1.2360	0.4333	2.3076				1.1765		7.4721
	4	0.1122	1.4798	1.4840	0.1512	6.6134				1.4755		16.4334
9	1	0.3700	0.4704	0.5985	1.2365	0.8088				0.2905		0.2480
	2	0.3230	0.9068	0.9626	0.6711	1.4901				0.8473		3.9831
	3	0.2309	1.2634	1.2843	0.3596	2.7811				1.2421		9.0271
	4	0.0860	1.4740	1.4765	0.1165	8.5804				1.4715		18.6849
	5	0.3842		0.3842					0.3842			
10	1	0.3384	0.2101	0.3983	1.6991	0.5885			0.3212			
	2	0.3164	0.6180	0.6943	0.9114	1.0972				0.5309		1.8164
	3	0.2677	0.9852	1.0209	0.5244	1.9068				0.9481		5.9157
	4	0.1849	1.2745	1.2878	0.2871	3.4825				1.2610		10.9284
	5	0.0671	1.4389	1.4405	0.0931	10.7401				1.4373		20.6296

Figure 8.36: Gaussian to 6 dB Design Table