

1.00%	Single Cash Flows		Uniform Cash Flow Series				Gradient Cash Flow Series	
n	F/P	P/F	A/P	P/A	A/F	F/A	P/G	A/G
1	1.01000	0.99010	1.01000	0.99010	1.00000	1.00000	0.00000	0.00000
2	1.02010	0.98030	0.50751	1.97040	0.49751	2.01000	0.98030	0.49751
3	1.03030	0.97059	0.34002	2.94099	0.33002	3.03010	2.92148	0.99337
4	1.04060	0.96098	0.25628	3.90197	0.24628	4.06040	5.80442	1.48756
5	1.05101	0.95147	0.20604	4.85343	0.19604	5.10101	9.61028	1.98010
6	1.06152	0.94205	0.17255	5.79548	0.16255	6.15202	14.32051	2.47098
7	1.07214	0.93272	0.14863	6.72819	0.13863	7.21354	19.91681	2.96020
8	1.08286	0.92348	0.13069	7.65168	0.12069	8.28567	26.38120	3.44777
9	1.09369	0.91434	0.11674	8.56602	0.10674	9.36853	33.69592	3.93367
10	1.10462	0.90529	0.10558	9.47130	0.09558	10.46221	41.84350	4.41792
11	1.11567	0.89632	0.09645	10.36763	0.08645	11.56683	50.80674	4.90052
12	1.12683	0.88745	0.08885	11.25508	0.07885	12.68250	60.56868	5.38145
13	1.13809	0.87866	0.08241	12.13374	0.07241	13.80933	71.11263	5.86073
14	1.14947	0.86996	0.07690	13.00370	0.06690	14.94742	82.42215	6.33836
15	1.16097	0.86135	0.07212	13.86505	0.06212	16.09690	94.48104	6.81433
16	1.17258	0.85282	0.06794	14.71787	0.05794	17.25786	107.27336	7.28865
17	1.18430	0.84438	0.06426	15.56225	0.05426	18.43044	120.78340	7.76131
18	1.19615	0.83602	0.06098	16.39827	0.05098	19.61475	134.99569	8.23231
19	1.20811	0.82774	0.05805	17.22601	0.04805	20.81090	149.89501	8.70167
20	1.22019	0.81954	0.05542	18.04555	0.04542	22.01900	165.46636	9.16937
21	1.23239	0.81143	0.05303	18.85698	0.04303	23.23919	181.69496	9.63542
22	1.24472	0.80340	0.05086	19.66038	0.04086	24.47159	198.56628	10.09982
23	1.25716	0.79544	0.04889	20.45582	0.03889	25.71630	216.06600	10.56257
24	1.26973	0.78757	0.04707	21.24339	0.03707	26.97346	234.18002	11.02367
25	1.28243	0.77977	0.04541	22.02316	0.03541	28.24320	252.89446	11.48312
26	1.29526	0.77205	0.04387	22.79520	0.03387	29.52563	272.19566	11.94092
27	1.30821	0.76440	0.04245	23.55961	0.03245	30.82089	292.07016	12.39707
28	1.32129	0.75684	0.04112	24.31644	0.03112	32.12910	312.50472	12.85158
29	1.33450	0.74934	0.03990	25.06579	0.02990	33.45039	333.48630	13.30444
30	1.34785	0.74192	0.03875	25.80771	0.02875	34.78489	355.00207	13.75566
36	1.43077	0.69892	0.03321	30.10751	0.02321	43.07688	494.62069	16.42848
40	1.48886	0.67165	0.03046	32.83469	0.02046	48.88637	596.85606	18.17761
48	1.61223	0.62026	0.02633	37.97396	0.01633	61.22261	820.14601	21.59759
50	1.64463	0.60804	0.02551	39.19612	0.01551	64.46318	879.41763	22.43635
52	1.67769	0.59606	0.02476	40.39419	0.01476	67.76889	939.91752	23.26863
55	1.72852	0.57853	0.02373	42.14719	0.01373	72.85246	1032.81478	24.50495
60	1.81670	0.55045	0.02224	44.95504	0.01224	81.66967	1192.80614	26.53331
72	2.04710	0.48850	0.01955	51.15039	0.00955	104.70993	1597.86733	31.23861
75	2.10913	0.47413	0.01902	52.58705	0.00902	110.91285	1702.73397	32.37934
84	2.30672	0.43352	0.01765	56.64845	0.00765	130.67227	2023.31531	35.71704
90	2.44863	0.40839	0.01690	59.16088	0.00690	144.86327	2240.56748	37.87245
96	2.59927	0.38472	0.01625	61.52770	0.00625	159.92729	2459.42979	39.97272
100	2.70481	0.36971	0.01587	63.02888	0.00587	170.48138	2605.77575	41.34257
108	2.92893	0.34142	0.01518	65.85779	0.00518	192.89258	2898.42028	44.01029
120	3.30039	0.30299	0.01435	69.70052	0.00435	230.03869	3334.11485	47.83486
132	3.71896	0.26889	0.01368	73.11075	0.00368	271.89586	3761.69441	51.45200
144	4.19062	0.23863	0.01313	76.13716	0.00313	319.06156	4177.46642	54.86764
240	10.89255	0.09181	0.01101	90.81942	0.00101	989.25537	6878.60156	75.73933
360	35.94964	0.02782	0.01029	97.21833	0.00029	3494.96413	8720.43230	89.69947
480	118.64773	0.00843	0.01008	99.15717	0.00008	11764.77251	9511.15793	95.92002

2.00%	Single Cash Flows		Uniform Cash Flow Series				Gradient Cash Flow Series	
n	F/P	P/F	A/P	P/A	A/F	F/A	P/G	A/G
1	1.02000	0.98039	1.02000	0.98039	1.00000	1.00000	0.00000	0.00000
2	1.04040	0.96117	0.51505	1.94156	0.49505	2.02000	0.96117	0.49505
3	1.06121	0.94232	0.34675	2.88388	0.32675	3.06040	2.84581	0.98680
4	1.08243	0.92385	0.26262	3.80773	0.24262	4.12161	5.61735	1.47525
5	1.10408	0.90573	0.21216	4.71346	0.19216	5.20404	9.24027	1.96040
6	1.12616	0.88797	0.17853	5.60143	0.15853	6.30812	13.68013	2.44226
7	1.14869	0.87056	0.15451	6.47199	0.13451	7.43428	18.90349	2.92082
8	1.17166	0.85349	0.13651	7.32548	0.11651	8.58297	24.87792	3.39608
9	1.19509	0.83676	0.12252	8.16224	0.10252	9.75463	31.57197	3.86805
10	1.21899	0.82035	0.11133	8.98259	0.09133	10.94972	38.95510	4.33674
11	1.24337	0.80426	0.10218	9.78685	0.08218	12.16872	46.99773	4.80213
12	1.26824	0.78849	0.09456	10.57534	0.07456	13.41209	55.67116	5.26424
13	1.29361	0.77303	0.08812	11.34837	0.06812	14.68033	64.94755	5.72307
14	1.31948	0.75788	0.08260	12.10625	0.06260	15.97394	74.79992	6.17862
15	1.34587	0.74301	0.07783	12.84926	0.05783	17.29342	85.20213	6.63090
16	1.37279	0.72845	0.07365	13.57771	0.05365	18.63929	96.12881	7.07990
17	1.40024	0.71416	0.06997	14.29187	0.04997	20.01207	107.55542	7.52564
18	1.42825	0.70016	0.06670	14.99203	0.04670	21.41231	119.45813	7.96811
19	1.45681	0.68643	0.06378	15.67846	0.04378	22.84056	131.81388	8.40732
20	1.48595	0.67297	0.06116	16.35143	0.04116	24.29737	144.60033	8.84328
21	1.51567	0.65978	0.05878	17.01121	0.03878	25.78332	157.79585	9.27599
22	1.54598	0.64684	0.05663	17.65805	0.03663	27.29898	171.37947	9.70546
23	1.57690	0.63416	0.05467	18.29220	0.03467	28.84496	185.33090	10.13169
24	1.60844	0.62172	0.05287	18.91393	0.03287	30.42186	199.63049	10.55468
25	1.64061	0.60953	0.05122	19.52346	0.03122	32.03030	214.25924	10.97445
26	1.67342	0.59758	0.04970	20.12104	0.02970	33.67091	229.19872	11.39100
27	1.70689	0.58586	0.04829	20.70690	0.02829	35.34432	244.43113	11.80433
28	1.74102	0.57437	0.04699	21.28127	0.02699	37.05121	259.93924	12.21446
29	1.77584	0.56311	0.04578	21.84438	0.02578	38.79223	275.70639	12.62138
30	1.81136	0.55207	0.04465	22.39646	0.02465	40.56808	291.71644	13.02512
36	2.03989	0.49022	0.03923	25.48884	0.01923	51.99437	392.04045	15.38087
40	2.20804	0.45289	0.03656	27.35548	0.01656	60.40198	461.99313	16.88850
48	2.58707	0.38654	0.03260	30.67312	0.01260	79.35352	605.96572	19.75559
50	2.69159	0.37153	0.03182	31.42361	0.01182	84.57940	642.36059	20.44198
52	2.80033	0.35710	0.03111	32.14495	0.01111	90.01641	678.78489	21.11638
55	2.97173	0.33650	0.03014	33.17479	0.01014	98.58653	733.35269	22.10572
60	3.28103	0.30478	0.02877	34.76089	0.00877	114.05154	823.69753	23.69610
72	4.16114	0.24032	0.02633	37.98406	0.00633	158.05702	1034.05570	27.22341
75	4.41584	0.22646	0.02586	38.67711	0.00586	170.79177	1084.63929	28.04344
84	5.27733	0.18949	0.02468	40.52552	0.00468	213.86661	1230.41912	30.36159
90	5.94313	0.16826	0.02405	41.58693	0.00405	247.15666	1322.17008	31.79292
96	6.69293	0.14941	0.02351	42.52943	0.00351	284.64666	1409.29734	33.13699
100	7.24465	0.13803	0.02320	43.09835	0.00320	312.23231	1464.75275	33.98628
108	8.48826	0.11781	0.02267	44.10951	0.00267	374.41288	1569.30251	35.57742
120	10.76516	0.09289	0.02205	45.35539	0.00205	488.25815	1710.41605	37.71142
132	13.65283	0.07324	0.02158	46.33776	0.00158	632.64148	1833.47151	39.56755
144	17.31509	0.05775	0.02123	47.11235	0.00123	815.75446	1939.79497	41.17381
240	115.88874	0.00863	0.02017	49.56855	0.00017	5744.43676	2374.87999	47.91102
360	1247.56113	0.00080	0.02002	49.95992	0.00002	62328.05639	2483.56794	49.71121
480	13430.19894	0.00007	0.02000	49.99628	0.00000	671459.9468	2498.02683	49.96426

3.00%	Single Cash Flows		Uniform Cash Flow Series				Gradient Cash Flow Series	
n	F/P	P/F	A/P	P/A	A/F	F/A	P/G	A/G
1	1.03000	0.97087	1.03000	0.97087	1.00000	1.00000	0.00000	0.00000
2	1.06090	0.94260	0.52261	1.91347	0.49261	2.03000	0.94260	0.49261
3	1.09273	0.91514	0.35353	2.82861	0.32353	3.09090	2.77288	0.98030
4	1.12551	0.88849	0.26903	3.71710	0.23903	4.18363	5.43834	1.46306
5	1.15927	0.86261	0.21835	4.57971	0.18835	5.30914	8.88878	1.94090
6	1.19405	0.83748	0.18460	5.41719	0.15460	6.46841	13.07620	2.41383
7	1.22987	0.81309	0.16051	6.23028	0.13051	7.66246	17.95475	2.88185
8	1.26677	0.78941	0.14246	7.01969	0.11246	8.89234	23.48061	3.34496
9	1.30477	0.76642	0.12843	7.78611	0.09843	10.15911	29.61194	3.80318
10	1.34392	0.74409	0.11723	8.53020	0.08723	11.46388	36.30879	4.25650
11	1.38423	0.72242	0.10808	9.25262	0.07808	12.80780	43.53300	4.70494
12	1.42576	0.70138	0.10046	9.95400	0.07046	14.19203	51.24818	5.14850
13	1.46853	0.68095	0.09403	10.63496	0.06403	15.61779	59.41960	5.58720
14	1.51259	0.66112	0.08853	11.29607	0.05853	17.08632	68.01413	6.02104
15	1.55797	0.64186	0.08377	11.93794	0.05377	18.59891	77.00020	6.45004
16	1.60471	0.62317	0.07961	12.56110	0.04961	20.15688	86.34770	6.87421
17	1.65285	0.60502	0.07595	13.16612	0.04595	21.76159	96.02796	7.29357
18	1.70243	0.58739	0.07271	13.75351	0.04271	23.41444	106.01367	7.70812
19	1.75351	0.57029	0.06981	14.32380	0.03981	25.11687	116.27882	8.11788
20	1.80611	0.55368	0.06722	14.87747	0.03722	26.87037	126.79866	8.52286
21	1.86029	0.53755	0.06487	15.41502	0.03487	28.67649	137.54964	8.92309
22	1.91610	0.52189	0.06275	15.93692	0.03275	30.53678	148.50939	9.31858
23	1.97359	0.50669	0.06081	16.44361	0.03081	32.45288	159.65661	9.70934
24	2.03279	0.49193	0.05905	16.93554	0.02905	34.42647	170.97108	10.09540
25	2.09378	0.47761	0.05743	17.41315	0.02743	36.45926	182.43362	10.47677
26	2.15659	0.46369	0.05594	17.87684	0.02594	38.55304	194.02598	10.85348
27	2.22129	0.45019	0.05456	18.32703	0.02456	40.70963	205.73090	11.22554
28	2.28793	0.43708	0.05329	18.76411	0.02329	42.93092	217.53197	11.59298
29	2.35657	0.42435	0.05211	19.18845	0.02211	45.21885	229.41367	11.95582
30	2.42726	0.41199	0.05102	19.60044	0.02102	47.57542	241.36129	12.31407
36	2.89828	0.34503	0.04580	21.83225	0.01580	63.27594	313.70284	14.36878
40	3.26204	0.30656	0.04326	23.11477	0.01326	75.40126	361.74994	15.65016
48	4.13225	0.24200	0.03958	25.26671	0.00958	104.40840	455.02547	18.00890
50	4.38391	0.22811	0.03887	25.72976	0.00887	112.79687	477.48033	18.55751
52	4.65089	0.21501	0.03822	26.16624	0.00822	121.69620	499.51915	19.09021
55	5.08215	0.19677	0.03735	26.77443	0.00735	136.07162	531.74111	19.86004
60	5.89160	0.16973	0.03613	27.67556	0.00613	163.05344	583.05261	21.06742
72	8.40002	0.11905	0.03405	29.36509	0.00405	246.66724	693.12255	23.60363
75	9.17893	0.10895	0.03367	29.70183	0.00367	272.63086	717.69785	24.16342
84	11.97642	0.08350	0.03273	30.55009	0.00273	365.88054	784.54337	25.68056
90	14.30047	0.06993	0.03226	31.00241	0.00226	443.34890	823.63021	26.56665
96	17.07551	0.05856	0.03187	31.38122	0.00187	535.85019	858.63770	27.36151
100	19.21863	0.05203	0.03165	31.59891	0.00165	607.28773	879.85405	27.84445
108	24.34559	0.04108	0.03129	31.96416	0.00129	778.18627	917.60126	28.70719
120	34.71099	0.02881	0.03089	32.37302	0.00089	1123.69957	963.86347	29.77366
132	49.48957	0.02021	0.03062	32.65979	0.00062	1616.31893	999.75206	30.61110
144	70.56029	0.01417	0.03043	32.86092	0.00043	2318.67634	1027.33721	31.26319
240	1204.85263	0.00083	0.03002	33.30567	0.00002	40128.42093	1103.54910	33.13397
360	41821.62407	0.00002	0.03000	33.33254	0.00000	1394020.802	1110.79761	33.32473
480	1451669.855	0.00000	0.03000	33.33331	0.00000	48388961.83	1111.09932	33.33300

5.00%	Single Cash Flows		Uniform Cash Flow Series				Gradient Cash Flow Series	
n	F/P	P/F	A/P	P/A	A/F	F/A	P/G	A/G
1	1.05000	0.95238	1.05000	0.95238	1.00000	1.00000	0.00000	0.00000
2	1.10250	0.90703	0.53780	1.85941	0.48780	2.05000	0.90703	0.48780
3	1.15763	0.86384	0.36721	2.72325	0.31721	3.15250	2.63470	0.96749
4	1.21551	0.82270	0.28201	3.54595	0.23201	4.31013	5.10281	1.43905
5	1.27628	0.78353	0.23097	4.32948	0.18097	5.52563	8.23692	1.90252
6	1.34010	0.74622	0.19702	5.07569	0.14702	6.80191	11.96799	2.35790
7	1.40710	0.71068	0.17282	5.78637	0.12282	8.14201	16.23208	2.80523
8	1.47746	0.67684	0.15472	6.46321	0.10472	9.54911	20.96996	3.24451
9	1.55133	0.64461	0.14069	7.10782	0.09069	11.02656	26.12683	3.67579
10	1.62889	0.61391	0.12950	7.72173	0.07950	12.57789	31.65205	4.09909
11	1.71034	0.58468	0.12039	8.30641	0.07039	14.20679	37.49884	4.51444
12	1.79586	0.55684	0.11283	8.86325	0.06283	15.91713	43.62405	4.92190
13	1.88565	0.53032	0.10646	9.39357	0.05646	17.71298	49.98791	5.32150
14	1.97993	0.50507	0.10102	9.89864	0.05102	19.59863	56.55379	5.71329
15	2.07893	0.48102	0.09634	10.37966	0.04634	21.57856	63.28803	6.09731
16	2.18287	0.45811	0.09227	10.83777	0.04227	23.65749	70.15970	6.47363
17	2.29202	0.43630	0.08870	11.27407	0.03870	25.84037	77.14045	6.84229
18	2.40662	0.41552	0.08555	11.68959	0.03555	28.13238	84.20430	7.20336
19	2.52695	0.39573	0.08275	12.08532	0.03275	30.53900	91.32751	7.55690
20	2.65330	0.37689	0.08024	12.46221	0.03024	33.06595	98.48841	7.90297
21	2.78596	0.35894	0.07800	12.82115	0.02800	35.71925	105.66726	8.24164
22	2.92526	0.34185	0.07597	13.16300	0.02597	38.50521	112.84611	8.57298
23	3.07152	0.32557	0.07414	13.48857	0.02414	41.43048	120.00868	8.89706
24	3.22510	0.31007	0.07247	13.79864	0.02247	44.50200	127.14024	9.21397
25	3.38635	0.29530	0.07095	14.09394	0.02095	47.72710	134.22751	9.52377
26	3.55567	0.28124	0.06956	14.37519	0.01956	51.11345	141.25852	9.82655
27	3.73346	0.26785	0.06829	14.64303	0.01829	54.66913	148.22258	10.12240
28	3.92013	0.25509	0.06712	14.89813	0.01712	58.40258	155.11011	10.41138
29	4.11614	0.24295	0.06605	15.14107	0.01605	62.32271	161.91261	10.69360
30	4.32194	0.23138	0.06505	15.37245	0.01505	66.43885	168.62255	10.96914
36	5.79182	0.17266	0.06043	16.54685	0.01043	95.83632	206.62370	12.48719
40	7.03999	0.14205	0.05828	17.15909	0.00828	120.79977	229.54518	13.37747
48	10.40127	0.09614	0.05532	18.07716	0.00532	188.02539	269.24673	14.89431
50	11.46740	0.08720	0.05478	18.25593	0.00478	209.34800	277.91478	15.22326
52	12.64281	0.07910	0.05429	18.41807	0.00429	232.85617	286.10125	15.53372
55	14.63563	0.06833	0.05367	18.63347	0.00367	272.71262	297.51040	15.96645
60	18.67919	0.05354	0.05283	18.92929	0.00283	353.58372	314.34316	16.60618
72	33.54513	0.02981	0.05154	19.40379	0.00154	650.90268	345.14853	17.78769
75	38.83269	0.02575	0.05132	19.48497	0.00132	756.65372	351.07215	18.01759
84	60.24224	0.01660	0.05084	19.66801	0.00084	1184.84483	365.47273	18.58209
90	80.73037	0.01239	0.05063	19.75226	0.00063	1594.60730	372.74879	18.87120
96	108.18641	0.00924	0.05047	19.81513	0.00047	2143.72821	378.55553	19.10436
100	131.50126	0.00760	0.05038	19.84791	0.00038	2610.02516	381.74922	19.23372
108	194.28725	0.00515	0.05026	19.89706	0.00026	3865.74499	386.82363	19.44125
120	348.91199	0.00287	0.05014	19.94268	0.00014	6958.23971	391.97505	19.65509
132	626.59580	0.00160	0.05008	19.96808	0.00008	12511.91593	395.14839	19.78900
144	1125.27603	0.00089	0.05004	19.98223	0.00004	22485.52051	397.08516	19.87192
240	121739.5737	0.00001	0.05000	19.99984	0.00000	2434771.475	399.95729	19.99803
360	42476396.41	0.00000	0.05000	20.00000	0.00000	849527908.2	399.99982	19.99999

6.00%	Single Cash Flows		Uniform Cash Flow Series				Gradient Cash Flow Series	
n	F/P	P/F	A/P	P/A	A/F	F/A	P/G	A/G
1	1.06000	0.94340	1.06000	0.94340	1.00000	1.00000	0.00000	0.00000
2	1.12360	0.89000	0.54544	1.83339	0.48544	2.06000	0.89000	0.48544
3	1.19102	0.83962	0.37411	2.67301	0.31411	3.18360	2.56924	0.96118
4	1.26248	0.79209	0.28859	3.46511	0.22859	4.37462	4.94552	1.42723
5	1.33823	0.74726	0.23740	4.21236	0.17740	5.63709	7.93455	1.88363
6	1.41852	0.70496	0.20336	4.91732	0.14336	6.97532	11.45935	2.33040
7	1.50363	0.66506	0.17914	5.58238	0.11914	8.39384	15.44969	2.76758
8	1.59385	0.62741	0.16104	6.20979	0.10104	9.89747	19.84158	3.19521
9	1.68948	0.59190	0.14702	6.80169	0.08702	11.49132	24.57677	3.61333
10	1.79085	0.55839	0.13587	7.36009	0.07587	13.18079	29.60232	4.02201
11	1.89830	0.52679	0.12679	7.88687	0.06679	14.97164	34.87020	4.42129
12	2.01220	0.49697	0.11928	8.38384	0.05928	16.86994	40.33686	4.81126
13	2.13293	0.46884	0.11296	8.85268	0.05296	18.88214	45.96293	5.19198
14	2.26090	0.44230	0.10758	9.29498	0.04758	21.01507	51.71284	5.56352
15	2.39656	0.41727	0.10296	9.71225	0.04296	23.27597	57.55455	5.92598
16	2.54035	0.39365	0.09895	10.10590	0.03895	25.67253	63.45925	6.27943
17	2.69277	0.37136	0.09544	10.47726	0.03544	28.21288	69.40108	6.62397
18	2.85434	0.35034	0.09236	10.82760	0.03236	30.90565	75.35692	6.95970
19	3.02560	0.33051	0.08962	11.15812	0.02962	33.75999	81.30615	7.28673
20	3.20714	0.31180	0.08718	11.46992	0.02718	36.78559	87.23044	7.60515
21	3.39956	0.29416	0.08500	11.76408	0.02500	39.99273	93.11355	7.91508
22	3.60354	0.27751	0.08305	12.04158	0.02305	43.39229	98.94116	8.21662
23	3.81975	0.26180	0.08128	12.30338	0.02128	46.99583	104.70070	8.50991
24	4.04893	0.24698	0.07968	12.55036	0.01968	50.81558	110.38121	8.79506
25	4.29187	0.23300	0.07823	12.78336	0.01823	54.86451	115.97317	9.07220
26	4.54938	0.21981	0.07690	13.00317	0.01690	59.15638	121.46842	9.34145
27	4.82235	0.20737	0.07570	13.21053	0.01570	63.70577	126.85999	9.60294
28	5.11169	0.19563	0.07459	13.40616	0.01459	68.52811	132.14200	9.85681
29	5.41839	0.18456	0.07358	13.59072	0.01358	73.63980	137.30959	10.10319
30	5.74349	0.17411	0.07265	13.76483	0.01265	79.05819	142.35879	10.34221
36	8.14725	0.12274	0.06839	14.62099	0.00839	119.12087	170.03866	11.62977
40	10.28572	0.09722	0.06646	15.04630	0.00646	154.76197	185.95682	12.35898
48	16.39387	0.06100	0.06390	15.65003	0.00390	256.56453	212.03505	13.54854
50	18.42015	0.05429	0.06344	15.76186	0.00344	290.33590	217.45738	13.79643
52	20.69689	0.04832	0.06305	15.86139	0.00305	328.28142	222.48229	14.02666
55	24.65032	0.04057	0.06254	15.99054	0.00254	394.17203	229.32225	14.34112
60	32.98769	0.03031	0.06188	16.16143	0.00188	533.12818	239.04279	14.79095
72	66.37772	0.01507	0.06092	16.41558	0.00092	1089.62859	255.51462	15.56537
75	79.05692	0.01265	0.06077	16.45585	0.00077	1300.94868	258.45274	15.70583
84	133.56500	0.00749	0.06045	16.54188	0.00045	2209.41674	265.21627	16.03302
90	189.46451	0.00528	0.06032	16.57870	0.00032	3141.07519	268.39461	16.18912
96	268.75903	0.00372	0.06022	16.60465	0.00022	4462.65050	270.79093	16.30814
100	339.30208	0.00295	0.06018	16.61755	0.00018	5638.36806	272.04706	16.37107
108	540.79597	0.00185	0.06011	16.63585	0.00011	8996.59954	273.93570	16.46659
120	1088.18775	0.00092	0.06006	16.65135	0.00006	18119.79580	275.68459	16.55629
132	2189.64755	0.00046	0.06003	16.65906	0.00003	36477.45911	276.64619	16.60636
144	4406.00107	0.00023	0.06001	16.66288	0.00001	73416.68447	277.17002	16.63398
240	1184152.575	0.00000	0.06000	16.66665	0.00000	19735859.58	277.77417	16.66646

9.00%	Single Cash Flows		Uniform Cash Flow Series				Gradient Cash Flow Series	
n	F/P	P/F	A/P	P/A	A/F	F/A	P/G	A/G
1	1.09000	0.91743	1.09000	0.91743	1.00000	1.00000	0.00000	0.00000
2	1.18810	0.84168	0.56847	1.75911	0.47847	2.09000	0.84168	0.47847
3	1.29503	0.77218	0.39505	2.53129	0.30505	3.27810	2.38605	0.94262
4	1.41158	0.70843	0.30867	3.23972	0.21867	4.57313	4.51132	1.39250
5	1.53862	0.64993	0.25709	3.88965	0.16709	5.98471	7.11105	1.82820
6	1.67710	0.59627	0.22292	4.48592	0.13292	7.52333	10.09238	2.24979
7	1.82804	0.54703	0.19869	5.03295	0.10869	9.20043	13.37459	2.65740
8	1.99256	0.50187	0.18067	5.53482	0.09067	11.02847	16.88765	3.05117
9	2.17189	0.46043	0.16680	5.99525	0.07680	13.02104	20.57108	3.43123
10	2.36736	0.42241	0.15582	6.41766	0.06582	15.19293	24.37277	3.79777
11	2.58043	0.38753	0.14695	6.80519	0.05695	17.56029	28.24810	4.15096
12	2.81266	0.35553	0.13965	7.16073	0.04965	20.14072	32.15898	4.49102
13	3.06580	0.32618	0.13357	7.48690	0.04357	22.95338	36.07313	4.81816
14	3.34173	0.29925	0.12843	7.78615	0.03843	26.01919	39.96333	5.13262
15	3.64248	0.27454	0.12406	8.06069	0.03406	29.36092	43.80686	5.43463
16	3.97031	0.25187	0.12030	8.31256	0.03030	33.00340	47.58491	5.72446
17	4.32763	0.23107	0.11705	8.54363	0.02705	36.97370	51.28208	6.00238
18	4.71712	0.21199	0.11421	8.75563	0.02421	41.30134	54.88598	6.26865
19	5.14166	0.19449	0.11173	8.95011	0.02173	46.01846	58.38679	6.52358
20	5.60441	0.17843	0.10955	9.12855	0.01955	51.16012	61.77698	6.76745
21	6.10881	0.16370	0.10762	9.29224	0.01762	56.76453	65.05094	7.00056
22	6.65860	0.15018	0.10590	9.44243	0.01590	62.87334	68.20475	7.22322
23	7.25787	0.13778	0.10438	9.58021	0.01438	69.53194	71.23594	7.43574
24	7.91108	0.12640	0.10302	9.70661	0.01302	76.78981	74.14326	7.63843
25	8.62308	0.11597	0.10181	9.82258	0.01181	84.70090	76.92649	7.83160
26	9.39916	0.10639	0.10072	9.92897	0.01072	93.32398	79.58630	8.01556
27	10.24508	0.09761	0.09973	10.02658	0.00973	102.72313	82.12410	8.19064
28	11.16714	0.08955	0.09885	10.11613	0.00885	112.96822	84.54191	8.35714
29	12.17218	0.08215	0.09806	10.19828	0.00806	124.13536	86.84224	8.51538
30	13.26768	0.07537	0.09734	10.27365	0.00734	136.30754	89.02800	8.66566
36	22.25123	0.04494	0.09424	10.61176	0.00424	236.12472	99.93194	9.41709
40	31.40942	0.03184	0.09296	10.75736	0.00296	337.88245	105.37619	9.79573
48	62.58524	0.01598	0.09146	10.93358	0.00146	684.28041	112.96246	10.33170
50	74.35752	0.01345	0.09123	10.96168	0.00123	815.08356	114.32507	10.42952
52	88.34417	0.01132	0.09103	10.98534	0.00103	970.49077	115.51926	10.51577
55	114.40826	0.00874	0.09079	11.01399	0.00079	1260.09180	117.03621	10.62614
60	176.03129	0.00568	0.09051	11.04799	0.00051	1944.79213	118.96825	10.76832
72	495.11702	0.00202	0.09018	11.08867	0.00018	5490.18906	121.59166	10.96540
75	641.19089	0.00156	0.09014	11.09378	0.00014	7113.23215	121.96458	10.99396
84	1392.59819	0.00072	0.09006	11.10313	0.00006	15462.20213	122.69793	11.05075
90	2335.52658	0.00043	0.09004	11.10635	0.00004	25939.18425	122.97576	11.07256
96	3916.91189	0.00026	0.09002	11.10827	0.00002	43510.13211	123.15295	11.08660
100	5529.04079	0.00018	0.09002	11.10910	0.00002	61422.67546	123.23350	11.09302
108	11016.96013	0.00009	0.09001	11.11010	0.00001	122399.5570	123.33666	11.10131
120	30987.01575	0.00003	0.09000	11.11075	0.00000	344289.0639	123.40978	11.10724
132	87156.08789	0.00001	0.09000	11.11098	0.00000	968389.8654	123.43855	11.10960
144	245140.8589	0.00000	0.09000	11.11107	0.00000	2723776.210	123.44976	11.11052

10.00%	Single Cash Flows		Uniform Cash Flow Series				Gradient Cash Flow Series	
n	F/P	P/F	A/P	P/A	A/F	F/A	P/G	A/G
1	1.10000	0.90909	1.10000	0.90909	1.00000	1.00000	0.00000	0.00000
2	1.21000	0.82645	0.57619	1.73554	0.47619	2.10000	0.82645	0.47619
3	1.33100	0.75131	0.40211	2.48685	0.30211	3.31000	2.32908	0.93656
4	1.46410	0.68301	0.31547	3.16987	0.21547	4.64100	4.37812	1.38117
5	1.61051	0.62092	0.26380	3.79079	0.16380	6.10510	6.86180	1.81013
6	1.77156	0.56447	0.22961	4.35526	0.12961	7.71561	9.68417	2.22356
7	1.94872	0.51316	0.20541	4.86842	0.10541	9.48717	12.76312	2.62162
8	2.14359	0.46651	0.18744	5.33493	0.08744	11.43589	16.02867	3.00448
9	2.35795	0.42410	0.17364	5.75902	0.07364	13.57948	19.42145	3.37235
10	2.59374	0.38554	0.16275	6.14457	0.06275	15.93742	22.89134	3.72546
11	2.85312	0.35049	0.15396	6.49506	0.05396	18.53117	26.39628	4.06405
12	3.13843	0.31863	0.14676	6.81369	0.04676	21.38428	29.90122	4.38840
13	3.45227	0.28966	0.14078	7.10336	0.04078	24.52271	33.37719	4.69879
14	3.79750	0.26333	0.13575	7.36669	0.03575	27.97498	36.80050	4.99553
15	4.17725	0.23939	0.13147	7.60608	0.03147	31.77248	40.15199	5.27893
16	4.59497	0.21763	0.12782	7.82371	0.02782	35.94973	43.41642	5.54934
17	5.05447	0.19784	0.12466	8.02155	0.02466	40.54470	46.58194	5.80710
18	5.55992	0.17986	0.12193	8.20141	0.02193	45.59917	49.63954	6.05256
19	6.11591	0.16351	0.11955	8.36492	0.01955	51.15909	52.58268	6.28610
20	6.72750	0.14864	0.11746	8.51356	0.01746	57.27500	55.40691	6.50808
21	7.40025	0.13513	0.11562	8.64869	0.01562	64.00250	58.10952	6.71888
22	8.14027	0.12285	0.11401	8.77154	0.01401	71.40275	60.68929	6.91889
23	8.95430	0.11168	0.11257	8.88322	0.01257	79.54302	63.14621	7.10848
24	9.84973	0.10153	0.11130	8.98474	0.01130	88.49733	65.48130	7.28805
25	10.83471	0.09230	0.11017	9.07704	0.01017	98.34706	67.69640	7.45798
26	11.91818	0.08391	0.10916	9.16095	0.00916	109.18177	69.79404	7.61865
27	13.10999	0.07628	0.10826	9.23722	0.00826	121.09994	71.77726	7.77044
28	14.42099	0.06934	0.10745	9.30657	0.00745	134.20994	73.64953	7.91372
29	15.86309	0.06304	0.10673	9.36961	0.00673	148.63093	75.41463	8.04886
30	17.44940	0.05731	0.10608	9.42691	0.00608	164.49402	77.07658	8.17623
36	30.91268	0.03235	0.10334	9.67651	0.00334	299.12681	85.11938	8.79650
40	45.25926	0.02209	0.10226	9.77905	0.00226	442.59256	88.95254	9.09623
48	97.01723	0.01031	0.10104	9.89693	0.00104	960.17234	94.02168	9.50009
50	117.39085	0.00852	0.10086	9.91481	0.00086	1163.90853	94.88887	9.57041
52	142.04293	0.00704	0.10071	9.92960	0.00071	1410.42932	95.63512	9.63132
55	189.05914	0.00529	0.10053	9.94711	0.00053	1880.59142	96.56192	9.70754
60	304.48164	0.00328	0.10033	9.96716	0.00033	3034.81640	97.70101	9.80229
72	955.59382	0.00105	0.10010	9.98954	0.00010	9545.93818	99.14189	9.92458
75	1271.89537	0.00079	0.10008	9.99214	0.00008	12708.95371	99.33171	9.94099
84	2999.06275	0.00033	0.10003	9.99667	0.00003	29980.62754	99.68657	9.97198
90	5313.02261	0.00019	0.10002	9.99812	0.00002	53120.22612	99.81178	9.98306
96	9412.34365	0.00011	0.10001	9.99894	0.00001	94113.43651	99.88738	9.98980
100	13780.61234	0.00007	0.10001	9.99927	0.00001	137796.1234	99.92018	9.99274
108	29539.96641	0.00003	0.10000	9.99966	0.00000	295389.6641	99.96005	9.99634
120	92709.06882	0.00001	0.10000	9.99989	0.00000	927080.6882	99.98598	9.99871
132	290960.7724	0.00000	0.10000	9.99997	0.00000	2909597.724	99.99512	9.99955
144	913159.5445	0.00000	0.10000	9.99999	0.00000	9131585.445	99.99831	9.99984

12.00%	Single Cash Flows		Uniform Cash Flow Series				Gradient Cash Flow Series	
n	F/P	P/F	A/P	P/A	A/F	F/A	P/G	A/G
1	1.12000	0.89286	1.12000	0.89286	1.00000	1.00000	0.00000	0.00000
2	1.25440	0.79719	0.59170	1.69005	0.47170	2.12000	0.79719	0.47170
3	1.40493	0.71178	0.41635	2.40183	0.29635	3.37440	2.22075	0.92461
4	1.57352	0.63552	0.32923	3.03735	0.20923	4.77933	4.12731	1.35885
5	1.76234	0.56743	0.27741	3.60478	0.15741	6.35285	6.39702	1.77459
6	1.97382	0.50663	0.24323	4.11141	0.12323	8.11519	8.93017	2.17205
7	2.21068	0.45235	0.21912	4.56376	0.09912	10.08901	11.64427	2.55147
8	2.47596	0.40388	0.20130	4.96764	0.08130	12.29969	14.47145	2.91314
9	2.77308	0.36061	0.18768	5.32825	0.06768	14.77566	17.35633	3.25742
10	3.10585	0.32197	0.17698	5.65022	0.05698	17.54874	20.25409	3.58465
11	3.47855	0.28748	0.16842	5.93770	0.04842	20.65458	23.12885	3.89525
12	3.89598	0.25668	0.16144	6.19437	0.04144	24.13313	25.99228	4.18965
13	4.36349	0.22917	0.15568	6.42355	0.03568	28.02911	28.70237	4.46830
14	4.88711	0.20462	0.15087	6.62817	0.03087	32.39260	31.36242	4.73169
15	5.47357	0.18270	0.14682	6.81086	0.02682	37.27971	33.92017	4.98030
16	6.13039	0.16312	0.14339	6.97399	0.02339	42.75328	36.36700	5.21466
17	6.86604	0.14564	0.14046	7.11963	0.02046	48.88367	38.69731	5.43530
18	7.68997	0.13004	0.13794	7.24967	0.01794	55.74971	40.90798	5.64274
19	8.61276	0.11611	0.13576	7.36578	0.01576	63.43968	42.99790	5.83752
20	9.64629	0.10367	0.13388	7.46944	0.01388	72.05244	44.96757	6.02020
21	10.80385	0.09256	0.13224	7.56200	0.01224	81.69874	46.81876	6.19132
22	12.10031	0.08264	0.13081	7.64465	0.01081	92.50258	48.55425	6.35141
23	13.55235	0.07379	0.12956	7.71843	0.00956	104.60289	50.17759	6.50101
24	15.17863	0.06588	0.12846	7.78432	0.00846	118.15524	51.69288	6.64064
25	17.00006	0.05882	0.12750	7.84314	0.00750	133.33387	53.10464	6.77084
26	19.04007	0.05252	0.12665	7.89566	0.00665	150.33393	54.41766	6.89210
27	21.32488	0.04689	0.12590	7.94255	0.00590	169.37401	55.63689	7.00491
28	23.88387	0.04187	0.12524	7.98442	0.00524	190.69889	56.76736	7.10976
29	26.74993	0.03738	0.12466	8.02181	0.00466	214.58275	57.81409	7.20712
30	29.95992	0.03338	0.12414	8.05518	0.00414	241.33268	58.78205	7.29742
36	59.13557	0.01691	0.12206	8.19241	0.00206	484.46312	63.19703	7.71409
40	93.05097	0.01075	0.12130	8.24378	0.00130	767.09142	65.11587	7.89879
48	230.39078	0.00434	0.12052	8.29716	0.00052	1911.58980	67.40684	8.12408
50	289.00219	0.00346	0.12042	8.30450	0.00042	2400.01825	67.76241	8.15972
52	362.52435	0.00276	0.12033	8.31035	0.00033	3012.70289	68.05756	8.18950
55	509.32061	0.00196	0.12024	8.31697	0.00024	4236.00505	68.40821	8.22513
60	897.59693	0.00111	0.12013	8.32405	0.00013	7471.64111	68.81003	8.26641
72	3497.01610	0.00029	0.12003	8.33095	0.00003	29133.46753	69.25301	8.31274
75	4913.05584	0.00020	0.12002	8.33164	0.00002	40933.79867	69.30310	8.31806
84	13624.29079	0.00007	0.12001	8.33272	0.00001	113527.4232	69.38797	8.32717
90	26891.93422	0.00004	0.12000	8.33302	0.00000	224091.1185	69.41397	8.32999
96	53079.90982	0.00002	0.12000	8.33318	0.00000	442324.2485	69.42806	8.33152
100	83522.26573	0.00001	0.12000	8.33323	0.00000	696010.5477	69.43364	8.33214
108	206798.0543	0.00000	0.12000	8.33329	0.00000	1723308.786	69.43976	8.33281
120	805680.2550	0.00000	0.12000	8.33332	0.00000	6713993.792	69.44312	8.33318
132	3138910.931	0.00000	0.12000	8.33333	0.00000	26157582.76	69.44407	8.33329
144	12229121.63	0.00000	0.12000	8.33333	0.00000	101909338.6	69.44434	8.33332