

3) The two correlation random variables which one is the uniform probability distribution and the other is normal probability distribution, The both of population variances test statistic.

$$(X_{1i}, X_{2i}), i = 1, 2, \dots, n,$$

$$X_{11}, \dots, X_{1n} \stackrel{id}{\sim} \text{Uniform}(\alpha_1 = -1.732050807568877, \beta_1 = 1.732050807568877),$$

$$X_{21}, \dots, X_{2n} \stackrel{id}{\sim} N(\mu_2 = 0, \sigma_2^2 = 1),$$

$$X_{1i} \sim \text{Uniform}(\alpha_1 = -1.732050807568877, \beta_1 = 1.732050807568877),$$

$$E(X_{1i}) = 0, \text{Var}(X_{1i}) = 1,$$

$$X_{2i} \sim N(E(X_{2i}|X_{1i} = x_{1i}) = \rho \times x_{1i}, \text{Var}(X_{2i}|X_{1i} = x_{1i}) = (1 - \rho^2) \times \sigma_2^2),$$

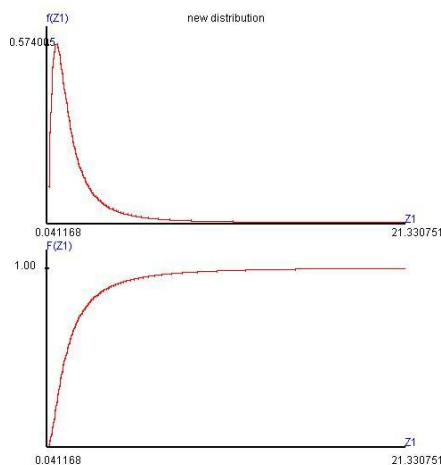
$$i = 1, \dots, n,$$

$$S_1^2 = \frac{\sum_{i=1}^n (X_{1i} - \bar{X}_1)^2}{n-1}, \bar{X}_1 = \frac{\sum_{i=1}^n X_{1i}}{n}, S_2^2 = \frac{\sum_{i=1}^n (X_{2i} - \bar{X}_2)^2}{n-1}, \bar{X}_2 = \frac{\sum_{i=1}^n X_{2i}}{n}$$

$$H_0 : \sigma_1^2 = \sigma_2^2, H_1 : \sigma_1^2 \neq \sigma_2^2, \text{test statistic} = \frac{S_1^2}{S_2^2}$$

3.1)n=5, $\rho=0.1$

$f_Z(z), F_Z(z)$



Coefficient

Mathematical Mean:	1.99499
Geometrical Mean :	1.10368
Harmonic Mean :	0.61569
Variance :	43.63096
S.D. :	6.60537
Skewed Coef. :	873.57330
Kurtosis Coef. :	2331949.51903
MAD :	1.65281
Range :	20896.16815
Mid_range :	10448.08414
Median :	1.09337
Q1 :	0.57858
Q2 :	1.09337
Q3 :	2.09613
IQR :	1.51755
C.V. :	3.31098

the critical value table

		significant level			
value	0.995	0.99	0.975	0.95	
	0.0582894969	0.0844533955	0.1394615832	0.2065244084	

		significant level			
value	0.05	0.025	0.01	0.005	
	6.0639906535	9.0016659531	14.8169004517	21.3719440420	

Note: the critical value table

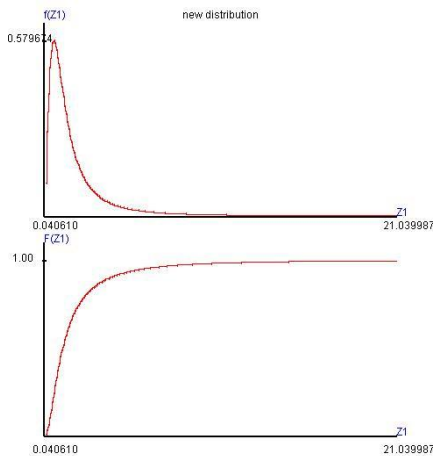
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0.0250000000	0.1394615832
0.0300000000	0.1543982843
0.0350000000	0.1684168977
0.0400000000	0.1817231008
0.0450000000	0.1943980782
0.0500000000	0.2065244084
0.0550000000	0.2182572552
0.0600000000	0.2296289518
0.0650000000	0.2406863937
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0.0750000000	0.2620393568
0.0800000000	0.2723688947
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0.1000000000	0.3120825716
0.1050000000	0.3216546966
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0.1150000000	0.3404512325
0.1200000000	0.3497010596
0.1250000000	0.3589056272
0.1300000000	0.3680315205
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0.1400000000	0.3861040412
0.1450000000	0.3950574439
0.1500000000	0.4039863837
0.1550000000	0.4128301093
0.1600000000	0.4216678412
0.1650000000	0.4304750585
0.1700000000	0.4392395489
0.1750000000	0.4479927623
0.1800000000	0.4567354315
0.1850000000	0.4654105448
0.1900000000	0.4741026077
0.1950000000	0.4827981132
0.2000000000	0.4914521332
0.2050000000	0.5001265557
0.2100000000	0.5088069944
0.2150000000	0.5174731349
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0.2400000000	0.5610361625
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0.2550000000	0.5873459885
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0.3250000000	0.7140598065
0.3300000000	0.7234620574
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0.3450000000	0.7520397847
0.3500000000	0.7616965141
0.3550000000	0.7714261414
0.3600000000	0.7811783005

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0.4450000000	0.9603413383
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0.4550000000	0.9833788784
0.4600000000	0.9950884439
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0.5050000000	1.1063131953
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0.5700000000	1.2912941051
0.5750000000	1.3070201156
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0.6350000000	1.5172610113
0.6400000000	1.5368669277
0.6450000000	1.5568289167
0.6500000000	1.5772864806
0.6550000000	1.5981372546
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0.6650000000	1.6410432797
0.6700000000	1.6630620733
0.6750000000	1.6856271724
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0.6850000000	1.7322651112
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0.7150000000	1.8853836573
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0.7250000000	1.9416642942
0.7300000000	1.9709049343
0.7350000000	2.0009290759

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0.7450000000	2.0634990884
0.7500000000	2.0961286331
0.7550000000	2.1297290356
0.7600000000	2.1643233810
0.7650000000	2.1999543923
0.7700000000	2.2366376310
0.7750000000	2.2746063840
0.7800000000	2.3138408390
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0.7900000000	2.3959865693
0.7950000000	2.4392555981
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0.9550000000	6.4480554138
0.9600000000	6.9010728499
0.9650000000	7.4489279544
0.9700000000	8.1290703188
0.9750000000	9.0016659531
0.9800000000	10.1859226400
0.9850000000	11.9173155178
0.9900000000	14.8169004517
0.9950000000	21.3719440420

3.2)n=5, $\rho=0.2$

$f_z(z), F_z(z)$



Coefficient

Mathematical Mean:	1.97661
Geometrical Mean :	1.10357
Harmonic Mean :	0.62305
Variance :	30.21689
S.D. :	5.49699
Skewed Coef. :	164.49036
Kurtosis Coef. :	88821.94716
MAD :	1.62699
Range :	5252.10615
Mid_range :	2626.05315
Median :	1.09092
Q1 :	0.58184
Q2 :	1.09092
Q3 :	2.08010
IQR :	1.49826
C.V. :	2.78102

the critical value table

		significant level		
value	0.995	0.99	0.975	0.95
	0.0599021876	0.0866862273	0.1426412068	0.2105325829

		significant level		
value	0.05	0.025	0.01	0.005
	5.9907836134	8.8838162951	14.6109693217	21.0805299983

Note: the critical value table

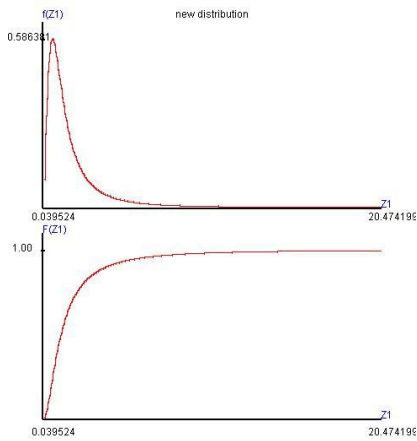
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0.0350000000	0.1720281559
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0.0450000000	0.1982899290
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0.0850000000	0.2870418814
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0.0950000000	0.3069121379
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0.1250000000	0.3634824082
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0.1550000000	0.4172433511
0.1600000000	0.4260350054
0.1650000000	0.4347704567
0.1700000000	0.4435281108
0.1750000000	0.4522395865
0.1800000000	0.4609332632
0.1850000000	0.4695940763
0.1900000000	0.4782520270
0.1950000000	0.4868676081
0.2000000000	0.4955247378
0.2050000000	0.5041560067
0.2100000000	0.5127681292
0.2150000000	0.5213838858
0.2200000000	0.5299909107
0.2250000000	0.5386062916
0.2300000000	0.5472119863
0.2350000000	0.5558526517
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0.2550000000	0.5905814432
0.2600000000	0.5993294468
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0.2750000000	0.6257454557
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0.2850000000	0.6434975558
0.2900000000	0.6524610546
0.2950000000	0.6614462238
0.3000000000	0.6704368956
0.3050000000	0.6794908119
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0.5900000000	1.3498870170
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0.6300000000	1.4901600428
0.6350000000	1.5091429299
0.6400000000	1.5285024350
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0.6500000000	1.5683998200
0.6550000000	1.5889186664
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0.6650000000	1.6312309242
0.6700000000	1.6529321536
0.6750000000	1.6752222558
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0.7250000000	1.9278820204
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0.7350000000	1.9863945848
0.7400000000	2.0166948094
0.7450000000	2.0479817383

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	0.7550000000	2.1132525511
	0.7600000000	2.1472401297
	0.7650000000	2.1823514109
	0.7700000000	2.2185825567
	0.7750000000	2.2559751188
	0.7800000000	2.2945204304
	0.7850000000	2.3342149388
	0.7900000000	2.3753888564
	0.7950000000	2.4179605533
	0.8000000000	2.4622151825
	0.8050000000	2.5081447230
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	0.8150000000	2.6053478618
	0.8200000000	2.6567554527
	0.8250000000	2.7104123458
	0.8300000000	2.7663434999
	0.8350000000	2.8246034154
	0.8400000000	2.8854359444
	0.8450000000	2.9492468441
	0.8500000000	3.0161300855
	0.8550000000	3.0865515036
	0.8600000000	3.1605376578
	0.8650000000	3.2384562131
	0.8700000000	3.3209184991
	0.8750000000	3.4082864063
	0.8800000000	3.5004780581
	0.8850000000	3.5985672204
	0.8900000000	3.7032007531
	0.8950000000	3.8154407034
	0.9000000000	3.9355497749
	0.9050000000	4.0650935366
	0.9100000000	4.2053688016
	0.9150000000	4.3571317029
	0.9200000000	4.5231241590
	0.9250000000	4.7050020004
	0.9300000000	4.9066767030
	0.9350000000	5.1304706198
	0.9400000000	5.3820637068
	0.9450000000	5.6656358170
	0.9500000000	5.9907836134
	0.9550000000	6.3689932789
	0.9600000000	6.8165928177
	0.9650000000	7.3547334889
	0.9700000000	8.0244091360
	0.9750000000	8.8838162951
	0.9800000000	10.0477721462
1	0.9850000000	11.7566507420
	0.9900000000	14.6109693217
	0.9950000000	21.0805299983

3.3) $n=5, \rho=0.3$

$f_z(z), F_z(z)$



Coefficient

Mathematical Mean:	1.94686
Geometrical Mean :	1.10296
Harmonic Mean :	0.63553
Variance :	34.42773
S.D. :	5.86751
Skewed Coef. :	639.79596
Kurtosis Coef. :	1663262.19823
MAD :	1.58541
Range :	18778.37060
Mid_range :	9389.18537
Median :	1.08666
Q1 :	0.58767
Q2 :	1.08666
Q3 :	2.05155
IQR :	1.46388
C.V. :	3.01384

the critical value table

		significant level			
value	0.995	0.99	0.975	0.95	
	0.0628120335	0.0906276079	0.1483735949	0.2176030494	
		significant level			
value	0.05	0.025	0.01	0.005	
	5.8578416968	8.6695281783	14.2337869477	20.5137276328	

Note: the critical value table

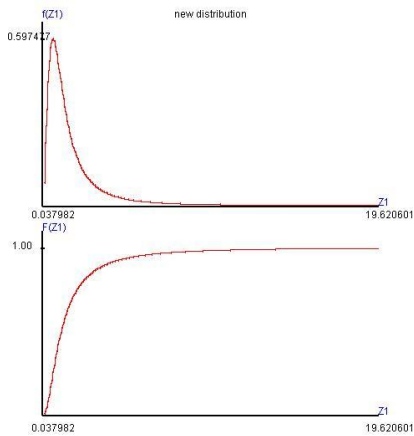
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0.0850000000	0.2948626705
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0.0950000000	0.3148224304
0.1000000000	0.3245669107
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0.1750000000	0.4595681350
0.1800000000	0.4681548191
0.1850000000	0.4767336282
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0.1950000000	0.4938467505
0.2000000000	0.5023995657
0.2050000000	0.5109457920
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0.2150000000	0.5279560754
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0.2250000000	0.5449697781
0.2300000000	0.5534706187
0.2350000000	0.5619926562
0.2400000000	0.5705415250
0.2450000000	0.5790913329
0.2500000000	0.5876680544
0.2550000000	0.5962624768
0.2600000000	0.6048799161
0.2650000000	0.6135181202
0.2700000000	0.6221833489
0.2750000000	0.6308831214
0.2800000000	0.6396042747
0.2850000000	0.6483683620
0.2900000000	0.6571284596
0.2950000000	0.6659140284
0.3000000000	0.6747718918
0.3050000000	0.6836842385
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0.3150000000	0.7015938034
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0.3250000000	0.7196956957
0.3300000000	0.7288191139
0.3350000000	0.7380587645
0.3400000000	0.7472893897
0.3450000000	0.7565892657
0.3500000000	0.7659487781
0.3550000000	0.7753752784
0.3600000000	0.7848203077
0.3650000000	0.7943529939
0.3700000000	0.8039923280

0.3750000000	0.8136881221
0.3800000000	0.8234571798
0.3850000000	0.8332949836
0.3900000000	0.8431970378
0.3950000000	0.8532192789
0.4000000000	0.8633029867
0.4050000000	0.8734802662
0.4100000000	0.8837273289
0.4150000000	0.8941055763
0.4200000000	0.9045582701
0.4250000000	0.9150918395
0.4300000000	0.9257374578
0.4350000000	0.9364807013
0.4400000000	0.9473101733
0.4450000000	0.9582594039
0.4500000000	0.9692938295
0.4550000000	0.9804459728
0.4600000000	0.9916946088
0.4650000000	1.0030995188
0.4700000000	1.0146576555
0.4750000000	1.0263098446
0.4800000000	1.0381088280
0.4850000000	1.0500203985
0.4900000000	1.0620946586
0.4950000000	1.0743024341
0.5000000000	1.0866633187
0.5050000000	1.0991712208
0.5100000000	1.1118270109
0.5150000000	1.1246255635
0.5200000000	1.1375926292
0.5250000000	1.1507463353
0.5300000000	1.1640893307
0.5350000000	1.1775816604
0.5400000000	1.1912637687
0.5450000000	1.2051610877
0.5500000000	1.2192362631
0.5550000000	1.2335086930
0.5600000000	1.2480120671
0.5650000000	1.2627083488
0.5700000000	1.2776440112
0.5750000000	1.2927595506
0.5800000000	1.3081424521
0.5850000000	1.3237434299
0.5900000000	1.3396579403
0.5950000000	1.3557803703
0.6000000000	1.3721860422
0.6050000000	1.3888394588
0.6100000000	1.4057480731
0.6150000000	1.4229959693
0.6200000000	1.4405456971
0.6250000000	1.4583916512
0.6300000000	1.4765523346
0.6350000000	1.4950856627
0.6400000000	1.5139814315
0.6450000000	1.5332255868
0.6500000000	1.5527763577
0.6550000000	1.5727622046
0.6600000000	1.5931451738
0.6650000000	1.6140376431
0.6700000000	1.6352907760
0.6750000000	1.6570117047
0.6800000000	1.6791631404
0.6850000000	1.7017787288
0.6900000000	1.7249870267
0.6950000000	1.7486353351
0.7000000000	1.7729015530
0.7050000000	1.7976227904
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0.7150000000	1.8490731051
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0.7250000000	1.9031132970
0.7300000000	1.9312156494
0.7350000000	1.9601101449
0.7400000000	1.9897552128
0.7450000000	2.0202363614

0.7500000000	2.0515499826
0.7550000000	2.0837636110
0.7600000000	2.1169068219
0.7650000000	2.1510661963
0.7700000000	2.1864155325
0.7750000000	2.2228529888
0.7800000000	2.2602775086
0.7850000000	2.2992097650
0.7900000000	2.3394666734
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0.8150000000	2.5630251961
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0.8250000000	2.6652585912
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0.8400000000	2.8356384216
0.8450000000	2.8978856076
0.8500000000	2.9632622042
0.8550000000	3.0317237080
0.8600000000	3.1037416930
0.8650000000	3.1795455413
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0.8750000000	3.3444170284
0.8800000000	3.4341464629
0.8850000000	3.5294440245
0.8900000000	3.6316408240
0.8950000000	3.7405889316
0.9000000000	3.8575821445
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0.9100000000	4.1197469851
0.9150000000	4.2680107101
0.9200000000	4.4293018637
0.9250000000	4.6062746566
0.9300000000	4.8024018288
0.9350000000	5.0202809055
0.9400000000	5.2641117115
0.9450000000	5.5409414332
0.9500000000	5.8578416968
0.9550000000	6.2257704034
0.9600000000	6.6592503421
0.9650000000	7.1826811994
0.9700000000	7.8333869501
0.9750000000	8.6695281783
0.9800000000	9.8023264887
0.9850000000	11.4629512519
0.9900000000	14.2337869477
0.9950000000	20.5137276328

3.4)n=5, $\rho=0.4$

$f_z(z), F_z(z)$



Coefficient

Mathematical Mean:	1.90178
Geometrical Mean :	1.10151
Harmonic Mean :	0.65366
Variance :	43.42044
S.D. :	6.58942
Skewed Coef. :	1343.45546
Kurtosis Coef. :	4745307.84942
MAD :	1.52205
Range :	27325.48241
Mid_range :	13662.74138
Median :	1.08086
Q1 :	0.59645
Q2 :	1.08086
Q3 :	2.00840
IQR :	1.41195
C.V. :	3.46487

the critical value table

		significant level			
value	0.995	0.99	0.975	0.95	
	0.0674638936	0.0968925867	0.1572066886	0.2284173030	

		significant level			
value	0.05	0.025	0.01	0.005	
	5.6475088129	8.3362706489	13.6584803152	19.6584186911	

Note: the critical value table

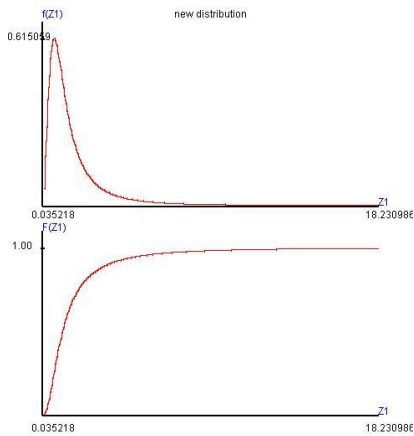
0.0050000000	0.0674638936
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0.0350000000	0.1882700544
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0.0450000000	0.2156834303
0.0500000000	0.2284173030
0.0550000000	0.2406887385
0.0600000000	0.2524960204
0.0650000000	0.2639545675
0.0700000000	0.2750475491
0.0750000000	0.2858212090
0.0800000000	0.2963639055
0.0850000000	0.3066866500
0.0900000000	0.3167915332
0.0950000000	0.3267486639
0.1000000000	0.3364983924
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0.1100000000	0.3555915097
0.1150000000	0.3649454981
0.1200000000	0.3741820711
0.1250000000	0.3832925755
0.1300000000	0.3923386279
0.1350000000	0.4012485559
0.1400000000	0.4101498561
0.1450000000	0.4189776494
0.1500000000	0.4277238786
0.1550000000	0.4364077337
0.1600000000	0.4450407303
0.1650000000	0.4536235836
0.1700000000	0.4621626195
0.1750000000	0.4706789745
0.1800000000	0.4791792777
0.1850000000	0.4876154641
0.1900000000	0.4960471608
0.1950000000	0.5044349709
0.2000000000	0.5128126826
0.2050000000	0.5211969085
0.2100000000	0.5295414997
0.2150000000	0.5379081320
0.2200000000	0.5462400939
0.2250000000	0.5545904045
0.2300000000	0.5629431861
0.2350000000	0.5713140889
0.2400000000	0.5796634869
0.2450000000	0.5880538535
0.2500000000	0.5964467655
0.2550000000	0.6048567299
0.2600000000	0.6132726432
0.2650000000	0.6216987850
0.2700000000	0.6301639209
0.2750000000	0.6386325560
0.2800000000	0.6471372072
0.2850000000	0.6556751837
0.2900000000	0.6642644050
0.2950000000	0.6728478690
0.3000000000	0.6814736099
0.3050000000	0.6901418972
0.3100000000	0.6988716902
0.3150000000	0.7076191445
0.3200000000	0.7163958759
0.3250000000	0.7252413170
0.3300000000	0.7341240493
0.3350000000	0.7430872291
0.3400000000	0.7520861311
0.3450000000	0.7611241787
0.3500000000	0.7702247658
0.3550000000	0.7793938891
0.3600000000	0.7886253223
0.3650000000	0.7978844540
0.3700000000	0.8072581576

0.3750000000	0.8166783857
0.3800000000	0.8261181882
0.3850000000	0.8356497232
0.3900000000	0.8452622688
0.3950000000	0.8549635979
0.4000000000	0.8647593368
0.4050000000	0.8745887523
0.4100000000	0.8845182204
0.4150000000	0.8945173722
0.4200000000	0.9046417786
0.4250000000	0.9148553610
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0.4350000000	0.9356019532
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0.4950000000	1.0689103484
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0.5100000000	1.1051472871
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0.5250000000	1.1427232925
0.5300000000	1.1555493679
0.5350000000	1.1685529512
0.5400000000	1.1817134513
0.5450000000	1.1951003739
0.5500000000	1.2086740614
0.5550000000	1.2224343708
0.5600000000	1.2363411757
0.5650000000	1.2504864432
0.5700000000	1.2648305249
0.5750000000	1.2794140821
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0.5850000000	1.3092715707
0.5900000000	1.3245831970
0.5950000000	1.3400915700
0.6000000000	1.3558611503
0.6050000000	1.3718358628
0.6100000000	1.3881394707
0.6150000000	1.4046887713
0.6200000000	1.4216009848
0.6250000000	1.4388416651
0.6300000000	1.4563481809
0.6350000000	1.4741653740
0.6400000000	1.4923113836
0.6450000000	1.5107698231
0.6500000000	1.5296250488
0.6550000000	1.5488749496
0.6600000000	1.5683970755
0.6650000000	1.5884089571
0.6700000000	1.6088304743
0.6750000000	1.6296904495
0.6800000000	1.6509590004
0.6850000000	1.6727578853
0.6900000000	1.6949559868
0.6950000000	1.7177079225
0.7000000000	1.7409861823
0.7050000000	1.7647823479
0.7100000000	1.7892364182
0.7150000000	1.8142618122
0.7200000000	1.8398700109
0.7250000000	1.8662185500
0.7300000000	1.8931336028
0.7350000000	1.9207578879
0.7400000000	1.9492097706
0.7450000000	1.9783795594

0.7500000000	2.0083967091
0.7550000000	2.0392900136
0.7600000000	2.0709145249
0.7650000000	2.1036704099
0.7700000000	2.1374719916
0.7750000000	2.1724081621
0.7800000000	2.2083962650
0.7850000000	2.2455934712
0.7900000000	2.2839765479
0.7950000000	2.3237902941
0.8000000000	2.3648958100
0.8050000000	2.4076116619
0.8100000000	2.4519934902
0.8150000000	2.4981190371
0.8200000000	2.5460851016
0.8250000000	2.5958091988
0.8300000000	2.6476708714
0.8350000000	2.7020126705
0.8400000000	2.7588222987
0.8450000000	2.8180877331
0.8500000000	2.8803351474
0.8550000000	2.9458522516
0.8600000000	3.0147315061
0.8650000000	3.0872998716
0.8700000000	3.1637958551
0.8750000000	3.2446425077
0.8800000000	3.3305330911
0.8850000000	3.4218702396
0.8900000000	3.5192102951
0.8950000000	3.6234477830
0.9000000000	3.7353654191
0.9050000000	3.8560179506
0.9100000000	3.9865577881
0.9150000000	4.1276300230
0.9200000000	4.2816905844
0.9250000000	4.4507425109
0.9300000000	4.6381035606
0.9350000000	4.8464294674
0.9400000000	5.0796920421
0.9450000000	5.3442548911
0.9500000000	5.6475088129
0.9550000000	5.9993346524
0.9600000000	6.4136097147
0.9650000000	6.9158143420
0.9700000000	7.5375816851
0.9750000000	8.3362706489
0.9800000000	9.4146489555
0.9850000000	10.9989566956
0.9900000000	13.6584803152
0.9950000000	19.6584186911

3.5)n=5, $\rho=0.5$

$f_z(z), F_z(z)$



Coefficient

Mathematical Mean:	1.82981
Geometrical Mean :	1.09768
Harmonic Mean :	0.67907
Variance :	26.09831
S.D. :	5.10865
Skewed Coef. :	360.29337
Kurtosis Coef. :	460187.89646
MAD :	1.42064
Range :	9676.55878
Mid_range :	4838.27948
Median :	1.07239
Q1 :	0.60892
Q2 :	1.07239
Q3 :	1.94564
IQR :	1.33672
C.V. :	2.79191

the critical value table

		significant level			
value	0.995	0.99	0.975	0.95	
	0.0743631514	0.1061338894	0.1702510870	0.2442131094	

		significant level			
value	0.05	0.025	0.01	0.005	
	5.3295428620	7.8218538829	12.7413903462	18.2661174198	

Note: the critical value table

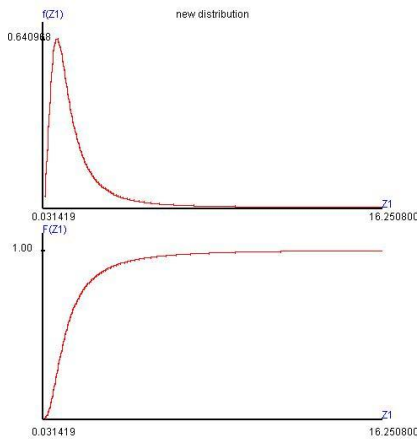
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0.0200000000	0.1516306081
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0.0350000000	0.2027003913
0.0400000000	0.2173067283
0.0450000000	0.2310878777
0.0500000000	0.2442131094
0.0550000000	0.2567677532
0.0600000000	0.2688267799
0.0650000000	0.2804806583
0.0700000000	0.2917621601
0.0750000000	0.3027217816
0.0800000000	0.3134161622
0.0850000000	0.3238110539
0.0900000000	0.3339737712
0.0950000000	0.3439460021
0.1000000000	0.3536828518
0.1050000000	0.3632773551
0.1100000000	0.3727108002
0.1150000000	0.3820204846
0.1200000000	0.3912099449
0.1250000000	0.4002482932
0.1300000000	0.4092132392
0.1350000000	0.4180751688
0.1400000000	0.4268142565
0.1450000000	0.4355350709
0.1500000000	0.4441616263
0.1550000000	0.4527208412
0.1600000000	0.4612224658
0.1650000000	0.4696491460
0.1700000000	0.4780522006
0.1750000000	0.4863950540
0.1800000000	0.4946830849
0.1850000000	0.5029616900
0.1900000000	0.5112052777
0.1950000000	0.5193907470
0.2000000000	0.5276046653
0.2050000000	0.5357949797
0.2100000000	0.5439544074
0.2150000000	0.5521109245
0.2200000000	0.5602435737
0.2250000000	0.5683581596
0.2300000000	0.5764537318
0.2350000000	0.5845570722
0.2400000000	0.5926818441
0.2450000000	0.6007945899
0.2500000000	0.6089190063
0.2550000000	0.6170492220
0.2600000000	0.6252137815
0.2650000000	0.6334273417
0.2700000000	0.6416341758
0.2750000000	0.6498025720
0.2800000000	0.6580186856
0.2850000000	0.6662325299
0.2900000000	0.6745179742
0.2950000000	0.6828112156
0.3000000000	0.6911463161
0.3050000000	0.6995323906
0.3100000000	0.7079083987
0.3150000000	0.7162932001
0.3200000000	0.7247583592
0.3250000000	0.7332719167
0.3300000000	0.7418019920
0.3350000000	0.7503667375
0.3400000000	0.7589847541
0.3450000000	0.7676724963
0.3500000000	0.7763893763
0.3550000000	0.7851485952
0.3600000000	0.7939513267
0.3650000000	0.8028566023
0.3700000000	0.8118021680

0.3750000000	0.8207903972
0.3800000000	0.8298650843
0.3850000000	0.8389938301
0.3900000000	0.8481963317
0.3950000000	0.8574586425
0.4000000000	0.8667940819
0.4050000000	0.8761776815
0.4100000000	0.8856626454
0.4150000000	0.8952518567
0.4200000000	0.9049184760
0.4250000000	0.9146715537
0.4300000000	0.9244676984
0.4350000000	0.9343211924
0.4400000000	0.9443222556
0.4450000000	0.9543745541
0.4500000000	0.9645168311
0.4550000000	0.9747826797
0.4600000000	0.9851779468
0.4650000000	0.9957018086
0.4700000000	1.0063347897
0.4750000000	1.0170215562
0.4800000000	1.0278706547
0.4850000000	1.0388140101
0.4900000000	1.0498777466
0.4950000000	1.0610734348
0.5000000000	1.0723897733
0.5050000000	1.0838343058
0.5100000000	1.0954296543
0.5150000000	1.1071187550
0.5200000000	1.1190123494
0.5250000000	1.1310454125
0.5300000000	1.1432170137
0.5350000000	1.1555358963
0.5400000000	1.1680346008
0.5450000000	1.1806764882
0.5500000000	1.1934753012
0.5550000000	1.2064636602
0.5600000000	1.2196605731
0.5650000000	1.2329805248
0.5700000000	1.2465643665
0.5750000000	1.2603392914
0.5800000000	1.2743550669
0.5850000000	1.2885128168
0.5900000000	1.3029173697
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0.6100000000	1.3629683279
0.6150000000	1.3785947151
0.6200000000	1.3945298410
0.6250000000	1.4106697083
0.6300000000	1.4271953427
0.6350000000	1.4439298499
0.6400000000	1.4610182454
0.6450000000	1.4784094344
0.6500000000	1.4961945312
0.6550000000	1.5142704086
0.6600000000	1.5326999957
0.6650000000	1.5515288298
0.6700000000	1.5707415225
0.6750000000	1.5903126421
0.6800000000	1.6103146222
0.6850000000	1.6307330261
0.6900000000	1.6516921482
0.6950000000	1.6730685987
0.7000000000	1.6948491974
0.7050000000	1.7171604184
0.7100000000	1.7400644278
0.7150000000	1.7635491981
0.7200000000	1.7875802508
0.7250000000	1.8122172100
0.7300000000	1.8374876788
0.7350000000	1.8634243257
0.7400000000	1.8901348550
0.7450000000	1.9175063787

0.7500000000	1.9456358191
0.7550000000	1.9745923739
0.7600000000	2.0043312071
0.7650000000	2.0349695787
0.7700000000	2.0666452744
0.7750000000	2.0992344683
0.7800000000	2.1328701969
0.7850000000	2.1675648176
0.7900000000	2.2035222311
0.7950000000	2.2405939111
0.8000000000	2.2790863788
0.8050000000	2.3189008879
0.8100000000	2.3600932079
0.8150000000	2.4031160281
0.8200000000	2.4478058638
0.8250000000	2.4942100266
0.8300000000	2.5426879308
0.8350000000	2.5932871750
0.8400000000	2.6461402686
0.8450000000	2.7015752624
0.8500000000	2.7597495596
0.8550000000	2.8206399785
0.8600000000	2.8847056568
0.8650000000	2.9521001766
0.8700000000	3.0233343166
0.8750000000	3.0985263648
0.8800000000	3.1783802038
0.8850000000	3.2635269999
0.8900000000	3.3542108511
0.8950000000	3.4514163233
0.9000000000	3.5555695858
0.9050000000	3.6671350363
0.9100000000	3.7879486482
0.9150000000	3.9194395171
0.9200000000	4.0626718627
0.9250000000	4.2197422523
0.9300000000	4.3930725795
0.9350000000	4.5864043063
0.9400000000	4.8030362325
0.9450000000	5.0480458532
0.9500000000	5.3295428620
0.9550000000	5.6558886064
0.9600000000	6.0410660052
0.9650000000	6.5056802423
0.9700000000	7.0806745710
0.9750000000	7.8218538829
0.9800000000	8.8235324144
0.9850000000	10.2870103837
0.9900000000	12.7413903462
0.9950000000	18.2661174198

3.6) $n=5, \rho=0.6$

$f_z(z), F_z(z)$



Coefficient

Mathematical Mean:	1.72880
Geometrical Mean :	1.09077
Harmonic Mean :	0.71260
Variance :	24.82485
S.D. :	4.98245
Skewed Coef. :	1029.98905
Kurtosis Coef. :	3349265.04609
MAD :	1.27701
Range :	18996.88138
Mid_range :	9498.44080
Median :	1.06201
Q1 :	0.62665
Q2 :	1.06201
Q3 :	1.85956
IQR :	1.23292
C.V. :	2.88203

the critical value table

		significant level			
value	0.995	0.99	0.975	0.95	
	0.0850980443	0.1203309081	0.1896289853	0.2671073055	

		significant level			
value	0.05	0.025	0.01	0.005	
	4.8758642695	7.0770814974	11.4116573651	16.2821734370	

Note: the critical value table

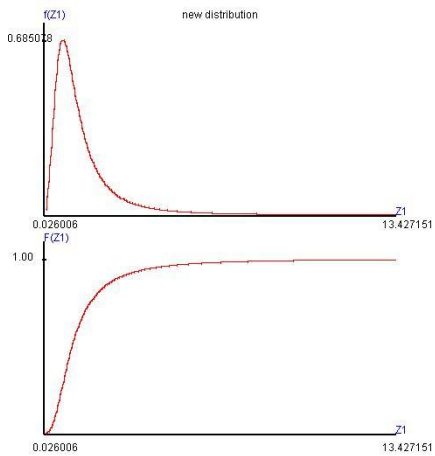
0.0050000000	0.0850980443
0.0100000000	0.1203309081
0.0150000000	0.1471912647
0.0200000000	0.1697566452
0.0250000000	0.1896289853
0.0300000000	0.2075138237
0.0350000000	0.2239302292
0.0400000000	0.2391836370
0.0450000000	0.2535319330
0.0500000000	0.2671073055
0.0550000000	0.2800236709
0.0600000000	0.2923990469
0.0650000000	0.3042907212
0.0700000000	0.3157684837
0.0750000000	0.3268626215
0.0800000000	0.3376428612
0.0850000000	0.3480819205
0.0900000000	0.3582860368
0.0950000000	0.3682605289
0.1000000000	0.3780216985
0.1050000000	0.3875909789
0.1100000000	0.3969723269
0.1150000000	0.4062120491
0.1200000000	0.4152777904
0.1250000000	0.4242304480
0.1300000000	0.4330689507
0.1350000000	0.4418075385
0.1400000000	0.4504101499
0.1450000000	0.4589537816
0.1500000000	0.4673935199
0.1550000000	0.4757546079
0.1600000000	0.4840294996
0.1650000000	0.4922503210
0.1700000000	0.5003863854
0.1750000000	0.5085100396
0.1800000000	0.5165922408
0.1850000000	0.5246551531
0.1900000000	0.5326495390
0.1950000000	0.5405884611
0.2000000000	0.5484919067
0.2050000000	0.5563954394
0.2100000000	0.5642494823
0.2150000000	0.5720772964
0.2200000000	0.5798867743
0.2250000000	0.5877206924
0.2300000000	0.5955196196
0.2350000000	0.6032973447
0.2400000000	0.6111038417
0.2450000000	0.6188792253
0.2500000000	0.6266460875
0.2550000000	0.6344326030
0.2600000000	0.6422253033
0.2650000000	0.6500456264
0.2700000000	0.6578443041
0.2750000000	0.6656544128
0.2800000000	0.6734755919
0.2850000000	0.6813362617
0.2900000000	0.6892012487
0.2950000000	0.6970884093
0.3000000000	0.7049763465
0.3050000000	0.7129324130
0.3100000000	0.7208783158
0.3150000000	0.7288310811
0.3200000000	0.7368238269
0.3250000000	0.7448599545
0.3300000000	0.7528968565
0.3350000000	0.7610099912
0.3400000000	0.7691561663
0.3450000000	0.7773354492
0.3500000000	0.7855634032
0.3550000000	0.7938354452
0.3600000000	0.8021503252
0.3650000000	0.8105160810
0.3700000000	0.8189472263

0.3750000000	0.8274293839
0.3800000000	0.8359133152
0.3850000000	0.8445167063
0.3900000000	0.8531502731
0.3950000000	0.8618387865
0.4000000000	0.8705967297
0.4050000000	0.8793851375
0.4100000000	0.8882171325
0.4150000000	0.8971382873
0.4200000000	0.9061515447
0.4250000000	0.9152255923
0.4300000000	0.9243855299
0.4350000000	0.9336516975
0.4400000000	0.9429756327
0.4450000000	0.9523658375
0.4500000000	0.9618596992
0.4550000000	0.9714241690
0.4600000000	0.9810633322
0.4650000000	0.9908112701
0.4700000000	1.0006602034
0.4750000000	1.0106130697
0.4800000000	1.0206536361
0.4850000000	1.0308227710
0.4900000000	1.0410897544
0.4950000000	1.0514950899
0.5000000000	1.0620068998
0.5050000000	1.0725970524
0.5100000000	1.0833230541
0.5150000000	1.0941763691
0.5200000000	1.1051118132
0.5250000000	1.1162458626
0.5300000000	1.1275099073
0.5350000000	1.1389189347
0.5400000000	1.1504335704
0.5450000000	1.1621059082
0.5500000000	1.1739583076
0.5550000000	1.1859305749
0.5600000000	1.1980824723
0.5650000000	1.2103412579
0.5700000000	1.2227921224
0.5750000000	1.2354756409
0.5800000000	1.2483541871
0.5850000000	1.2614048720
0.5900000000	1.2746665558
0.5950000000	1.2881464276
0.6000000000	1.3018116931
0.6050000000	1.3156805789
0.6100000000	1.3297746809
0.6150000000	1.3440691429
0.6200000000	1.3586402049
0.6250000000	1.3734381960
0.6300000000	1.3884628718
0.6350000000	1.4038103699
0.6400000000	1.4194348565
0.6450000000	1.4353327645
0.6500000000	1.4515469071
0.6550000000	1.4680565925
0.6600000000	1.4849221650
0.6650000000	1.5020351895
0.6700000000	1.5195553654
0.6750000000	1.5373984874
0.6800000000	1.5556530856
0.6850000000	1.5742261649
0.6900000000	1.5931817187
0.6950000000	1.6126592135
0.7000000000	1.6324899712
0.7050000000	1.6529025862
0.7100000000	1.6737572946
0.7150000000	1.6950026534
0.7200000000	1.7167624518
0.7250000000	1.7390475846
0.7300000000	1.7619212120
0.7350000000	1.7853451417
0.7400000000	1.8094195780
0.7450000000	1.8341282896

0.7500000000	1.8595620913
0.7550000000	1.8856886893
0.7600000000	1.9126011428
0.7650000000	1.9401917451
0.7700000000	1.9687139197
0.7750000000	1.9981333154
0.7800000000	2.0284753255
0.7850000000	2.0597110059
0.7900000000	2.0919641113
0.7950000000	2.1253950437
0.8000000000	2.1600053178
0.8050000000	2.1958771511
0.8100000000	2.2330213065
0.8150000000	2.2717145129
0.8200000000	2.3118813538
0.8250000000	2.3536040451
0.8300000000	2.3972936662
0.8350000000	2.4427054015
0.8400000000	2.4901559155
0.8450000000	2.5396368176
0.8500000000	2.5914589337
0.8550000000	2.6457940777
0.8600000000	2.7030916099
0.8650000000	2.7633328780
0.8700000000	2.8269790441
0.8750000000	2.8941805760
0.8800000000	2.9656838542
0.8850000000	3.0412224741
0.8900000000	3.1219315062
0.8950000000	3.2082942680
0.9000000000	3.3007618754
0.9050000000	3.4002273361
0.9100000000	3.5077486992
0.9150000000	3.6249906708
0.9200000000	3.7521790716
0.9250000000	3.8922163822
0.9300000000	4.0465537936
0.9350000000	4.2178893140
0.9400000000	4.4099167333
0.9450000000	4.6269139145
0.9500000000	4.8758642695
0.9550000000	5.1645302404
0.9600000000	5.5043741575
0.9650000000	5.9155256933
0.9700000000	6.4251806572
0.9750000000	7.0770814974
0.9800000000	7.9592787422
0.9850000000	9.2495066320
0.9900000000	11.4116573651
0.9950000000	16.2821734370

3.7)n=5, $\rho=0.7$

$f_z(z), F_z(z)$



Coefficient

Mathematical Mean:	1.59102
Geometrical Mean :	1.07896
Harmonic Mean :	0.75679
Variance :	18.67346
S.D. :	4.32128
Skewed Coef. :	850.15638
Kurtosis Coef. :	1779347.19270
MAD :	1.07917
Range :	10763.28059
Mid_range :	5381.64043
Median :	1.04944
Q1 :	0.65207
Q2 :	1.04944
Q3 :	1.74503
IQR :	1.09296
C.V. :	2.71605

the critical value table

		significant level			
value	0.995	0.99	0.975	0.95	
	0.1026747091	0.1430764324	0.2195941240	0.30134440934	
		significant level			
value	0.05	0.025	0.01	0.005	
	4.2514210718	6.0405898906	9.5395065910	13.4531059893	

Note: the critical value table

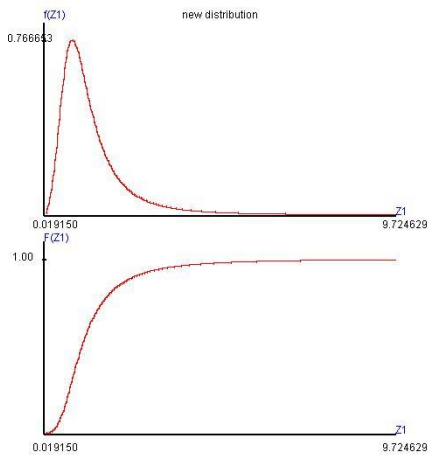
0.0050000000	0.1026747091
0.0100000000	0.1430764324
0.0150000000	0.1731354242
0.0200000000	0.1980385463
0.0250000000	0.2195941240
0.0300000000	0.2387869065
0.0350000000	0.2561900830
0.0400000000	0.2722503571
0.0450000000	0.2872728681
0.0500000000	0.3013440934
0.0550000000	0.3146607407
0.0600000000	0.3273461469
0.0650000000	0.3394335968
0.0700000000	0.3510932010
0.0750000000	0.3623051940
0.0800000000	0.3731022462
0.0850000000	0.3835691833
0.0900000000	0.3937528247
0.0950000000	0.4036451675
0.1000000000	0.4133056860
0.1050000000	0.4227583396
0.1100000000	0.4320323691
0.1150000000	0.4410864402
0.1200000000	0.4499746333
0.1250000000	0.4587616996
0.1300000000	0.4674023496
0.1350000000	0.4758792679
0.1400000000	0.4842658919
0.1450000000	0.4925014690
0.1500000000	0.5006725522
0.1550000000	0.5087369917
0.1600000000	0.5167046623
0.1650000000	0.5246144765
0.1700000000	0.5324630094
0.1750000000	0.5402248154
0.1800000000	0.5479367647
0.1850000000	0.5555906043
0.1900000000	0.5631976086
0.1950000000	0.5707395709
0.2000000000	0.5782490524
0.2050000000	0.5857349627
0.2100000000	0.5931968502
0.2150000000	0.6006345437
0.2200000000	0.6080103238
0.2250000000	0.6153787806
0.2300000000	0.6227284687
0.2350000000	0.6300792845
0.2400000000	0.6374209518
0.2450000000	0.6447509898
0.2500000000	0.6520710118
0.2550000000	0.6593528578
0.2600000000	0.6666451617
0.2650000000	0.6739400500
0.2700000000	0.6812160416
0.2750000000	0.6885057958
0.2800000000	0.6957879070
0.2850000000	0.7031053877
0.2900000000	0.7104112113
0.2950000000	0.7177077200
0.3000000000	0.7250354407
0.3050000000	0.7323797550
0.3100000000	0.7397415749
0.3150000000	0.7471120915
0.3200000000	0.7545175951
0.3250000000	0.7619176760
0.3300000000	0.7693547795
0.3350000000	0.7768138367
0.3400000000	0.7842826713
0.3450000000	0.7918078300
0.3500000000	0.7993933329
0.3550000000	0.8070078385
0.3600000000	0.8146357436
0.3650000000	0.8222801414
0.3700000000	0.8299618132

0.3750000000	0.8376642346
0.3800000000	0.8454270072
0.3850000000	0.8532283060
0.3900000000	0.8610670529
0.3950000000	0.8689838517
0.4000000000	0.8769160028
0.4050000000	0.8849220454
0.4100000000	0.8929844185
0.4150000000	0.9011013992
0.4200000000	0.9092728935
0.4250000000	0.9174934543
0.4300000000	0.9258015249
0.4350000000	0.9341516431
0.4400000000	0.9425758278
0.4450000000	0.9510553162
0.4500000000	0.9596061795
0.4550000000	0.9682087141
0.4600000000	0.9769172030
0.4650000000	0.9856761398
0.4700000000	0.9945066779
0.4750000000	1.0034361971
0.4800000000	1.0124492087
0.4850000000	1.0215662527
0.4900000000	1.0307702925
0.4950000000	1.0400555939
0.5000000000	1.0494379700
0.5050000000	1.0589146047
0.5100000000	1.0684782596
0.5150000000	1.0781819729
0.5200000000	1.0879319355
0.5250000000	1.0978475439
0.5300000000	1.1078610376
0.5350000000	1.1179679171
0.5400000000	1.1282075290
0.5450000000	1.1385805600
0.5500000000	1.1490680438
0.5550000000	1.1596761404
0.5600000000	1.1704447657
0.5650000000	1.1813375589
0.5700000000	1.1923657241
0.5750000000	1.2035366926
0.5800000000	1.2148868049
0.5850000000	1.2263707529
0.5900000000	1.2380346888
0.5950000000	1.2498869138
0.6000000000	1.2618886503
0.6050000000	1.2740572863
0.6100000000	1.2864533966
0.6150000000	1.2990068560
0.6200000000	1.3117884458
0.6250000000	1.3247502148
0.6300000000	1.3379186207
0.6350000000	1.3513337747
0.6400000000	1.3649872978
0.6450000000	1.3788760238
0.6500000000	1.3929909540
0.6550000000	1.4073444117
0.6600000000	1.4219638056
0.6650000000	1.4368940940
0.6700000000	1.4521116971
0.6750000000	1.4676246117
0.6800000000	1.4834259709
0.6850000000	1.4995745241
0.6900000000	1.5160073788
0.6950000000	1.5327888262
0.7000000000	1.5498812464
0.7050000000	1.5673872990
0.7100000000	1.5853237691
0.7150000000	1.6036661822
0.7200000000	1.6224597832
0.7250000000	1.6416745996
0.7300000000	1.6613840233
0.7350000000	1.6814789784
0.7400000000	1.7021217224
0.7450000000	1.7233338160

0.7500000000	1.7450348469
0.7550000000	1.7674244307
0.7600000000	1.7904307388
0.7650000000	1.8141036152
0.7700000000	1.8383266332
0.7750000000	1.8633580435
0.7800000000	1.8890730292
0.7850000000	1.9157760988
0.7900000000	1.9431378218
0.7950000000	1.9715054980
0.8000000000	2.0008120267
0.8050000000	2.0311715734
0.8100000000	2.0626411253
0.8150000000	2.0952311208
0.8200000000	2.1291639504
0.8250000000	2.1643974347
0.8300000000	2.2010387771
0.8350000000	2.2392108077
0.8400000000	2.2790150333
0.8450000000	2.3208776740
0.8500000000	2.3645410789
0.8550000000	2.4101417045
0.8600000000	2.4579585467
0.8650000000	2.5082960951
0.8700000000	2.5615143893
0.8750000000	2.6177893176
0.8800000000	2.6773904696
0.8850000000	2.7406891786
0.8900000000	2.8078587157
0.8950000000	2.8794931214
0.9000000000	2.9564751858
0.9050000000	3.0387820270
0.9100000000	3.1280288672
0.9150000000	3.2246320638
0.9200000000	3.3298501340
0.9250000000	3.4448528941
0.9300000000	3.5716252939
0.9350000000	3.7125158065
0.9400000000	3.8702887561
0.9450000000	4.0482864305
0.9500000000	4.2514210718
0.9550000000	4.4868522996
0.9600000000	4.7635269590
0.9650000000	5.0971589000
0.9700000000	5.5107945985
0.9750000000	6.0405898906
0.9800000000	6.7512227604
0.9850000000	7.7921628763
0.9900000000	9.5395065910
0.9950000000	13.4531059893

3.8) $n=5, \rho=0.8$

$f_z(z), F_z(z)$



Coefficient

Mathematical Mean:	1.41226
Geometrical Mean :	1.06069
Harmonic Mean :	0.81502
Variance :	6.87267
S.D. :	2.62158
Skewed Coef. :	560.98626
Kurtosis Coef. :	1146731.73365
MAD :	0.81855
Range :	7351.82581
Mid_range :	3675.91332
Median :	1.03512
Q1 :	0.69014
Q2 :	1.03512
Q3 :	1.59588
IQR :	0.90574
C.V. :	1.85630

the critical value table

		significant level			
value	0.995	0.99	0.975	0.95	
	0.1350413824	0.1835708173	0.2699470342	0.3562975324	
		significant level			
value	0.05	0.025	0.01	0.005	
	3.4425778503	4.6970107328	7.0957221763	9.7433733310	

Note: the critical value table

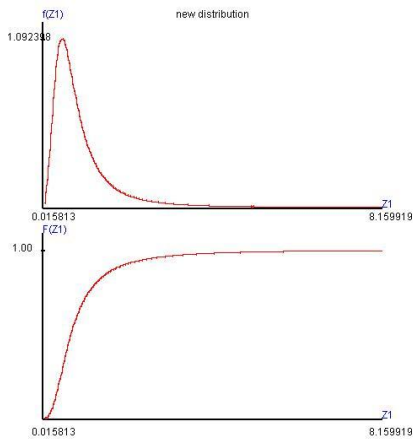
0.0050000000	0.1350413824
0.0100000000	0.1835708173
0.0150000000	0.2183562029
0.0200000000	0.2462885664
0.0250000000	0.2699470342
0.0300000000	0.2906874646
0.0350000000	0.3093043023
0.0400000000	0.3262475806
0.0450000000	0.3418507407
0.0500000000	0.3562975324
0.0550000000	0.3699035175
0.0600000000	0.3827541821
0.0650000000	0.3949573633
0.0700000000	0.4066020920
0.0750000000	0.4177639336
0.0800000000	0.4284879487
0.0850000000	0.4387773549
0.0900000000	0.4487846426
0.0950000000	0.4584595048
0.1000000000	0.4678601800
0.1050000000	0.4769899701
0.1100000000	0.4858878252
0.1150000000	0.4945698956
0.1200000000	0.5031003623
0.1250000000	0.5114737366
0.1300000000	0.5196873223
0.1350000000	0.5277282352
0.1400000000	0.5356411902
0.1450000000	0.5434240148
0.1500000000	0.5510753779
0.1550000000	0.5586488367
0.1600000000	0.5661299685
0.1650000000	0.5734898628
0.1700000000	0.5807911044
0.1750000000	0.5880084294
0.1800000000	0.5951204671
0.1850000000	0.6021873873
0.1900000000	0.6092119670
0.1950000000	0.6161740693
0.2000000000	0.6230863314
0.2050000000	0.6299449401
0.2100000000	0.6367673737
0.2150000000	0.6435684901
0.2200000000	0.6503055769
0.2250000000	0.6570248948
0.2300000000	0.6636962647
0.2350000000	0.6703371032
0.2400000000	0.6769653941
0.2450000000	0.6835548807
0.2500000000	0.6901397643
0.2550000000	0.6967278306
0.2600000000	0.7032970210
0.2650000000	0.7098501951
0.2700000000	0.7163960658
0.2750000000	0.7229193589
0.2800000000	0.7294459155
0.2850000000	0.7359686527
0.2900000000	0.7424902376
0.2950000000	0.7489922613
0.3000000000	0.7555038035
0.3050000000	0.7620093914
0.3100000000	0.7685319584
0.3150000000	0.7750703087
0.3200000000	0.7816048577
0.3250000000	0.7881413863
0.3300000000	0.7947003931
0.3350000000	0.8012811233
0.3400000000	0.8078615053
0.3450000000	0.8144461346
0.3500000000	0.8210424081
0.3550000000	0.8276714019
0.3600000000	0.8343174928
0.3650000000	0.8409899349
0.3700000000	0.8477086913

0.3750000000	0.8544337216
0.3800000000	0.8612058151
0.3850000000	0.8679705328
0.3900000000	0.8747515443
0.3950000000	0.8815856479
0.4000000000	0.8884589744
0.4050000000	0.8953563992
0.4100000000	0.9022857235
0.4150000000	0.9092337138
0.4200000000	0.9162310921
0.4250000000	0.9232947843
0.4300000000	0.9303893994
0.4350000000	0.9375420131
0.4400000000	0.9447042030
0.4450000000	0.9519502853
0.4500000000	0.9592298991
0.4550000000	0.9665355301
0.4600000000	0.9739147919
0.4650000000	0.9813661319
0.4700000000	0.9888688780
0.4750000000	0.9964212464
0.4800000000	1.0040159562
0.4850000000	1.0116703235
0.4900000000	1.0194147324
0.4950000000	1.0272338073
0.5000000000	1.0351212592
0.5050000000	1.0430821947
0.5100000000	1.0510844307
0.5150000000	1.0591490747
0.5200000000	1.0673166925
0.5250000000	1.0755413944
0.5300000000	1.0838823367
0.5350000000	1.0923068598
0.5400000000	1.1008189014
0.5450000000	1.1094193455
0.5500000000	1.1180924466
0.5550000000	1.1268770844
0.5600000000	1.1357561817
0.5650000000	1.1447474807
0.5700000000	1.1538309731
0.5750000000	1.1630571706
0.5800000000	1.1724079515
0.5850000000	1.1818349993
0.5900000000	1.1913958816
0.5950000000	1.2010526030
0.6000000000	1.2108255528
0.6050000000	1.2207783797
0.6100000000	1.2308362441
0.6150000000	1.2410334920
0.6200000000	1.2513826326
0.6250000000	1.2618909658
0.6300000000	1.2725771202
0.6350000000	1.2834085425
0.6400000000	1.2943926836
0.6450000000	1.3055632800
0.6500000000	1.3168885514
0.6550000000	1.3284430122
0.6600000000	1.3401998569
0.6650000000	1.3521865066
0.6700000000	1.3643683847
0.6750000000	1.3767310053
0.6800000000	1.3893764434
0.6850000000	1.4022137081
0.6900000000	1.4153343176
0.6950000000	1.4286680044
0.7000000000	1.4423302944
0.7050000000	1.4561887409
0.7100000000	1.4703925351
0.7150000000	1.4848933539
0.7200000000	1.4996432694
0.7250000000	1.5147863718
0.7300000000	1.5302784109
0.7350000000	1.5461068524
0.7400000000	1.5623276394
0.7450000000	1.5788990472

0.7500000000	1.5958806754
0.7550000000	1.6132868676
0.7600000000	1.6311387685
0.7650000000	1.6495212552
0.7700000000	1.6683672006
0.7750000000	1.6877606710
0.7800000000	1.7077404441
0.7850000000	1.7282580980
0.7900000000	1.7493839958
0.7950000000	1.7712480802
0.8000000000	1.7937859022
0.8050000000	1.8170767493
0.8100000000	1.8411964500
0.8150000000	1.8660486004
0.8200000000	1.8918929207
0.8250000000	1.9186948161
0.8300000000	1.9465362065
0.8350000000	1.9754858611
0.8400000000	2.0057361395
0.8450000000	2.0370441832
0.8500000000	2.0698374342
0.8550000000	2.1040467601
0.8600000000	2.1399057772
0.8650000000	2.1775212598
0.8700000000	2.2171063779
0.8750000000	2.2588816961
0.8800000000	2.3030748292
0.8850000000	2.3496799927
0.8900000000	2.3992270473
0.8950000000	2.4519508160
0.9000000000	2.5083337986
0.9050000000	2.5690122088
0.9100000000	2.6340719474
0.9150000000	2.7044480191
0.9200000000	2.7810601082
0.9250000000	2.8646131298
0.9300000000	2.9561341302
0.9350000000	3.0576369163
0.9400000000	3.1708722709
0.9450000000	3.2979043527
0.9500000000	3.4425778503
0.9550000000	3.6094626392
0.9600000000	3.8055414430
0.9650000000	4.0397563524
0.9700000000	4.3291392427
0.9750000000	4.6970107328
0.9800000000	5.1910513463
0.9850000000	5.9072784799
0.9900000000	7.0957221763
0.9950000000	9.7433733310

3.9) $n=5, \rho=0.9$

$f_z(z), F_z(z)$



Coefficient

Mathematical Mean:	0.99425
Geometrical Mean :	0.68544
Harmonic Mean :	0.48807
Variance :	6.09255
S.D. :	2.46831
Skewed Coef. :	769.44528
Kurtosis Coef. :	1758245.43051
MAD :	0.65970
Range :	7557.49114
Mid_range :	3778.74566
Median :	0.66685
Q1 :	0.41899
Q2 :	0.66685
Q3 :	1.09589
IQR :	0.67690
C.V. :	2.48259

the critical value table

		significant level			
value	0.995	0.99	0.975	0.95	
	0.0681967855	0.0947238942	0.1444775966	0.1970833761	

		significant level			
value	0.05	0.025	0.01	0.005	
	2.6224766596	3.7042759774	5.8158151021	8.1756666751	

Note: the critical value table

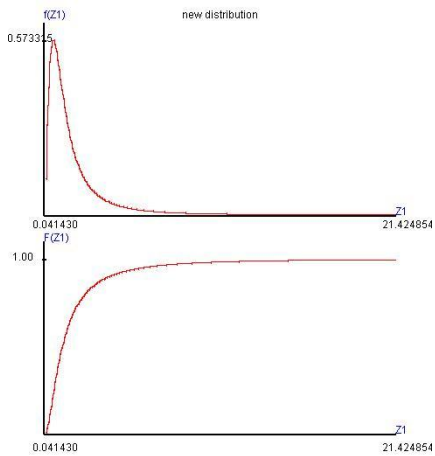
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0.0200000000	0.1305217236
0.0250000000	0.1444775966
0.0300000000	0.1568682611
0.0350000000	0.1680920064
0.0400000000	0.1784157569
0.0450000000	0.1880621567
0.0500000000	0.1970833761
0.0550000000	0.2056190687
0.0600000000	0.2137213761
0.0650000000	0.2214492231
0.0700000000	0.2288603744
0.0750000000	0.2360131226
0.0800000000	0.2428984395
0.0850000000	0.2495576114
0.0900000000	0.2560441880
0.0950000000	0.2623183128
0.1000000000	0.2684558090
0.1050000000	0.2744497809
0.1100000000	0.2803100420
0.1150000000	0.2860604766
0.1200000000	0.2917055111
0.1250000000	0.2972587238
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0.1350000000	0.3080879390
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0.1450000000	0.3186027907
0.1500000000	0.3237512681
0.1550000000	0.3288356593
0.1600000000	0.3338766786
0.1650000000	0.3388668685
0.1700000000	0.3438164695
0.1750000000	0.3487090835
0.1800000000	0.3535692909
0.1850000000	0.3583966384
0.1900000000	0.3631744619
0.1950000000	0.3679239715
0.2000000000	0.3726553882
0.2050000000	0.3773568457
0.2100000000	0.3820494726
0.2150000000	0.3867103687
0.2200000000	0.3913560504
0.2250000000	0.3959755071
0.2300000000	0.4006010712
0.2350000000	0.4052122527
0.2400000000	0.4098257483
0.2450000000	0.4144175458
0.2500000000	0.4189923384
0.2550000000	0.4235737426
0.2600000000	0.4281532590
0.2650000000	0.4327242280
0.2700000000	0.4372935803
0.2750000000	0.4418654773
0.2800000000	0.4464423681
0.2850000000	0.4510047876
0.2900000000	0.4555880479
0.2950000000	0.4601526483
0.3000000000	0.4647458637
0.3050000000	0.4693313116
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0.3150000000	0.4785598174
0.3200000000	0.4831727824
0.3250000000	0.4878107667
0.3300000000	0.4924543022
0.3350000000	0.4971286231
0.3400000000	0.5018066085
0.3450000000	0.5065088903
0.3500000000	0.5112409791
0.3550000000	0.5159620080
0.3600000000	0.5207243897
0.3650000000	0.5255020930
0.3700000000	0.5302848085

0.3750000000	0.5350859894
0.3800000000	0.5399327803
0.3850000000	0.5448084159
0.3900000000	0.5496966380
0.3950000000	0.5546278106
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0.4050000000	0.5645677456
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0.4150000000	0.5746178594
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0.4350000000	0.5951995795
0.4400000000	0.6004434109
0.4450000000	0.6057214560
0.4500000000	0.6110400158
0.4550000000	0.6164012660
0.4600000000	0.6218050968
0.4650000000	0.6272552850
0.4700000000	0.6327349927
0.4750000000	0.6382697069
0.4800000000	0.6438644832
0.4850000000	0.6495371029
0.4900000000	0.6552637596
0.4950000000	0.6610346101
0.5000000000	0.6668466126
0.5050000000	0.6727076076
0.5100000000	0.6786544641
0.5150000000	0.6846732132
0.5200000000	0.6907264454
0.5250000000	0.6968480502
0.5300000000	0.7030497124
0.5350000000	0.7093277228
0.5400000000	0.7156511933
0.5450000000	0.7220850966
0.5500000000	0.7285871449
0.5550000000	0.7351610700
0.5600000000	0.7418299331
0.5650000000	0.7485567757
0.5700000000	0.7554030158
0.5750000000	0.7623325644
0.5800000000	0.7693343486
0.5850000000	0.7764183715
0.5900000000	0.7836325801
0.5950000000	0.7909543259
0.6000000000	0.7983812729
0.6050000000	0.8059096587
0.6100000000	0.8135461937
0.6150000000	0.8213171379
0.6200000000	0.8291893969
0.6250000000	0.8372201564
0.6300000000	0.8453597075
0.6350000000	0.8536572531
0.6400000000	0.8620657900
0.6450000000	0.8706235346
0.6500000000	0.8793079391
0.6550000000	0.8881712175
0.6600000000	0.8971975395
0.6650000000	0.9063897245
0.6700000000	0.9157669484
0.6750000000	0.9253172917
0.6800000000	0.9350446681
0.6850000000	0.9449485117
0.6900000000	0.9550733114
0.6950000000	0.9653950265
0.7000000000	0.9759284238
0.7050000000	0.9867612559
0.7100000000	0.9977863827
0.7150000000	1.0090546410
0.7200000000	1.0205468475
0.7250000000	1.0323610610
0.7300000000	1.0444719854
0.7350000000	1.0568493578
0.7400000000	1.0695033086
0.7450000000	1.0825374064

0.7500000000	1.0958904168
0.7550000000	1.1096062484
0.7600000000	1.1237431882
0.7650000000	1.1382194850
0.7700000000	1.1531331503
0.7750000000	1.1684759865
0.7800000000	1.1842988817
0.7850000000	1.2005987534
0.7900000000	1.2173840364
0.7950000000	1.2347531419
0.8000000000	1.2527483059
0.8050000000	1.2713356619
0.8100000000	1.2906170825
0.8150000000	1.3105745753
0.8200000000	1.3312504313
0.8250000000	1.3528414316
0.8300000000	1.3751813596
0.8350000000	1.3986183982
0.8400000000	1.4229981500
0.8450000000	1.4484637375
0.8500000000	1.4751361542
0.8550000000	1.5029030964
0.8600000000	1.5322095950
0.8650000000	1.5630179901
0.8700000000	1.5954277779
0.8750000000	1.6297820463
0.8800000000	1.6660494779
0.8850000000	1.7045417115
0.8900000000	1.7455828225
0.8950000000	1.7892573291
0.9000000000	1.8359426373
0.9050000000	1.8861381379
0.9100000000	1.9404125986
0.9150000000	1.9991490144
0.9200000000	2.0631111647
0.9250000000	2.1330736948
0.9300000000	2.2101785978
0.9350000000	2.2955375950
0.9400000000	2.3909995594
0.9450000000	2.4989384046
0.9500000000	2.6224766596
0.9550000000	2.7646336603
0.9600000000	2.9323825013
0.9650000000	3.1345247615
0.9700000000	3.3846178929
0.9750000000	3.7042759774
0.9800000000	4.1350859692
0.9850000000	4.7633685419
0.9900000000	5.8158151021
0.9950000000	8.1756666751

3.10)n=5, $\rho=0$

$f_z(z), F_z(z)$



Coefficient

Mathematical Mean:	2.00015
Geometrical Mean :	1.10377
Harmonic Mean :	0.61315
Variance :	70.36029
S.D. :	8.38810
Skewed Coef. :	2527.42306
Kurtosis Coef. :	12660207.64147
MAD :	1.65989
Range :	45032.44400
Mid_range :	22516.22215
Median :	1.09423
Q1 :	0.57742
Q2 :	1.09423
Q3 :	2.10133
IQR :	1.52391
C.V. :	4.19373

the critical value table

		significant level		
value	0.995	0.99	0.975	0.95
	0.0578427792	0.0838242836	0.1384544377	0.2052091571

		significant level		
value	0.05	0.025	0.01	0.005
	6.0910880634	9.0422775884	14.8866043048	21.4661453131

Note: the critical value table

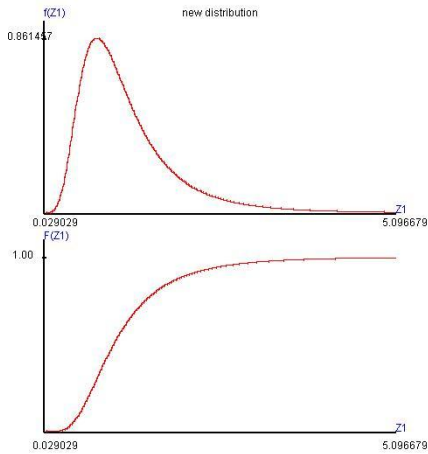
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0.0100000000	0.0838242836
0.0150000000	0.1044391256
0.0200000000	0.1223145260
0.0250000000	0.1384544377
0.0300000000	0.1533574274
0.0350000000	0.1672958930
0.0400000000	0.1804782183
0.0450000000	0.1930774476
0.0500000000	0.2052091571
0.0550000000	0.2169270230
0.0600000000	0.2283029565
0.0650000000	0.2393166251
0.0700000000	0.2501031973
0.0750000000	0.2606366585
0.0800000000	0.2709488986
0.0850000000	0.2811213781
0.0900000000	0.2910829486
0.0950000000	0.3009213105
0.1000000000	0.3106601460
0.1050000000	0.3202189475
0.1100000000	0.3296758665
0.1150000000	0.3390460217
0.1200000000	0.3483316956
0.1250000000	0.3575023694
0.1300000000	0.3666715104
0.1350000000	0.3757249387
0.1400000000	0.3847395995
0.1450000000	0.3937033200
0.1500000000	0.4026312700
0.1550000000	0.4114906682
0.1600000000	0.4203492307
0.1650000000	0.4291676241
0.1700000000	0.4379562529
0.1750000000	0.4466614614
0.1800000000	0.4554024648
0.1850000000	0.4641382017
0.1900000000	0.4728761899
0.1950000000	0.4815627418
0.2000000000	0.4902721171
0.2050000000	0.4989342351
0.2100000000	0.5075985835
0.2150000000	0.5162923462
0.2200000000	0.5249851382
0.2250000000	0.5336958368
0.2300000000	0.5424123516
0.2350000000	0.5511522626
0.2400000000	0.5598811829
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0.2550000000	0.5862576827
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0.2850000000	0.6398598056
0.2900000000	0.6488651047
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0.3000000000	0.6670855666
0.3050000000	0.6762840471
0.3100000000	0.6855071310
0.3150000000	0.6947532652
0.3200000000	0.7040831010
0.3250000000	0.7134544396
0.3300000000	0.7228923090
0.3350000000	0.7323992274
0.3400000000	0.7419428953
0.3450000000	0.7515361237
0.3500000000	0.7612090953
0.3550000000	0.7709747172
0.3600000000	0.7807960145
0.3650000000	0.7907068475
0.3700000000	0.8006794576

0.3750000000	0.8107135446
0.3800000000	0.8208327262
0.3850000000	0.8310430933
0.3900000000	0.8413137910
0.3950000000	0.8516928801
0.4000000000	0.8621353481
0.4050000000	0.8726801378
0.4100000000	0.8832896983
0.4150000000	0.8940047203
0.4200000000	0.9047859225
0.4250000000	0.9157425891
0.4300000000	0.9267869915
0.4350000000	0.9379484284
0.4400000000	0.9491949908
0.4450000000	0.9606065177
0.4500000000	0.9720547278
0.4550000000	0.9836926247
0.4600000000	0.9954318463
0.4650000000	1.0073090337
0.4700000000	1.0193048903
0.4750000000	1.0314215889
0.4800000000	1.0436781757
0.4850000000	1.0561061832
0.4900000000	1.0686520993
0.4950000000	1.0813784601
0.5000000000	1.0942288574
0.5050000000	1.1072672165
0.5100000000	1.1204398121
0.5150000000	1.1338287369
0.5200000000	1.1473476728
0.5250000000	1.1609979518
0.5300000000	1.1748343856
0.5350000000	1.1889161875
0.5400000000	1.2031845729
0.5450000000	1.2176341644
0.5500000000	1.2323215327
0.5550000000	1.2472050182
0.5600000000	1.2623141823
0.5650000000	1.2776615518
0.5700000000	1.2931882914
0.5750000000	1.3090255157
0.5800000000	1.3250537152
0.5850000000	1.3413952753
0.5900000000	1.3579214265
0.5950000000	1.3747084442
0.6000000000	1.3917930150
0.6050000000	1.4091412484
0.6100000000	1.4268056703
0.6150000000	1.4447448843
0.6200000000	1.4630270928
0.6250000000	1.4816698269
0.6300000000	1.5006740366
0.6350000000	1.5200283278
0.6400000000	1.5397186598
0.6450000000	1.5597571250
0.6500000000	1.5802041718
0.6550000000	1.6010311565
0.6600000000	1.6224331734
0.6650000000	1.6441424135
0.6700000000	1.6663235757
0.6750000000	1.6889641981
0.6800000000	1.7121751344
0.6850000000	1.7358775264
0.6900000000	1.7601495434
0.6950000000	1.7849859093
0.7000000000	1.8103457150
0.7050000000	1.8362769846
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0.7150000000	1.8900222044
0.7200000000	1.9178605838
0.7250000000	1.9464716448
0.7300000000	1.9757257681
0.7350000000	2.0059546592
0.7400000000	2.0368562156
0.7450000000	2.0686168641

0.7500000000	2.1013292937
0.7550000000	2.1350743199
0.7600000000	2.1697061016
0.7650000000	2.2054479761
0.7700000000	2.2422926990
0.7750000000	2.2802926286
0.7800000000	2.3197513931
0.7850000000	2.3603760678
0.7900000000	2.4023229806
0.7950000000	2.4457571477
0.8000000000	2.4908363942
0.8050000000	2.5376208644
0.8100000000	2.5861671260
0.8150000000	2.6366095544
0.8200000000	2.6890506916
0.8250000000	2.7438444620
0.8300000000	2.8007136691
0.8350000000	2.8601506235
0.8400000000	2.9224800313
0.8450000000	2.9874448885
0.8500000000	3.0556425438
0.8550000000	3.1271464885
0.8600000000	3.2023808591
0.8650000000	3.2816379507
0.8700000000	3.3653351833
0.8750000000	3.4540843054
0.8800000000	3.5481262425
0.8850000000	3.6485061528
0.8900000000	3.7554490018
0.8950000000	3.8695979854
0.9000000000	3.9918924495
0.9050000000	4.1240530463
0.9100000000	4.2668870963
0.9150000000	4.4222041096
0.9200000000	4.5922902125
0.9250000000	4.7784687964
0.9300000000	4.9837419827
0.9350000000	5.2113979948
0.9400000000	5.4677479413
0.9450000000	5.7578710433
0.9500000000	6.0910880634
0.9550000000	6.4773712713
0.9600000000	6.9336544452
0.9650000000	7.4831772728
0.9700000000	8.1670990091
0.9750000000	9.0422775884
0.9800000000	10.2330203113
0.9850000000	11.9711123315
0.9900000000	14.8866043048
0.9950000000	21.4661453131

3.11) $n=10, \rho=0.5$

$f_z(z), F_z(z)$



Coefficient

Mathematical Mean:	1.21964
Geometrical Mean :	1.03546
Harmonic Mean :	0.88772
Variance :	0.67554
S.D. :	0.82191
Skewed Coef. :	3.86682
Kurtosis Coef. :	52.28734
MAD :	0.54748
Range :	68.07847
Mid_range :	34.05848
Median :	1.01886
Q1 :	0.71434
Q2 :	1.01886
Q3 :	1.47667
IQR :	0.76234
C.V. :	0.67390

the critical value table

		significant level			
value	0.995	0.99	0.975	0.95	
	0.2437149335	0.2862355558	0.3569048984	0.4266124363	
		significant level			
value	0.05	0.025	0.01	0.005	
	2.6600123218	3.2800089138	4.2428676007	5.1064631871	

Note: the critical value table

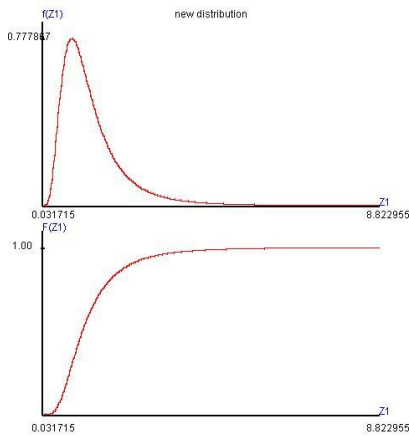
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0.0100000000	0.2862355558
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0.0200000000	0.3378142850
0.0250000000	0.3569048984
0.0300000000	0.3735578024
0.0350000000	0.3885284063
0.0400000000	0.4021630393
0.0450000000	0.4148408784
0.0500000000	0.4266124363
0.0550000000	0.4376788141
0.0600000000	0.4482336763
0.0650000000	0.4582688015
0.0700000000	0.4678902052
0.0750000000	0.4771343254
0.0800000000	0.4860641760
0.0850000000	0.4947638978
0.0900000000	0.5031575604
0.0950000000	0.5113582366
0.1000000000	0.5193243321
0.1050000000	0.5271564685
0.1100000000	0.5347789524
0.1150000000	0.5422482923
0.1200000000	0.5495757276
0.1250000000	0.5568125107
0.1300000000	0.5638890672
0.1350000000	0.5708629180
0.1400000000	0.5777641855
0.1450000000	0.5845638149
0.1500000000	0.5912314511
0.1550000000	0.5978331814
0.1600000000	0.6043875332
0.1650000000	0.6108820821
0.1700000000	0.6172998342
0.1750000000	0.6236623852
0.1800000000	0.6299610789
0.1850000000	0.6361887128
0.1900000000	0.6424132712
0.1950000000	0.6485967689
0.2000000000	0.6547072850
0.2050000000	0.6607957635
0.2100000000	0.6668521019
0.2150000000	0.6728667534
0.2200000000	0.6788768590
0.2250000000	0.6848252197
0.2300000000	0.6907597236
0.2350000000	0.6966688608
0.2400000000	0.7025961972
0.2450000000	0.7084589747
0.2500000000	0.7143369685
0.2550000000	0.7201835640
0.2600000000	0.7260300823
0.2650000000	0.7318566334
0.2700000000	0.7376660072
0.2750000000	0.7434827449
0.2800000000	0.7492874636
0.2850000000	0.7550892707
0.2900000000	0.7608921285
0.2950000000	0.7667049465
0.3000000000	0.7725245594
0.3050000000	0.7783076476
0.3100000000	0.7841129050
0.3150000000	0.7899393289
0.3200000000	0.7957895095
0.3250000000	0.8016148416
0.3300000000	0.8074508666
0.3350000000	0.8133113049
0.3400000000	0.8191543775
0.3450000000	0.8250252051
0.3500000000	0.8309139140
0.3550000000	0.8368162127
0.3600000000	0.8427201583
0.3650000000	0.8486248738
0.3700000000	0.8545733920

0.3750000000	0.8605564328
0.3800000000	0.8665247017
0.3850000000	0.8725238929
0.3900000000	0.8785412017
0.3950000000	0.8845640487
0.4000000000	0.8906576344
0.4050000000	0.8967450822
0.4100000000	0.9028700394
0.4150000000	0.9090278757
0.4200000000	0.9151966810
0.4250000000	0.9214019733
0.4300000000	0.9276267157
0.4350000000	0.9338782196
0.4400000000	0.9401798839
0.4450000000	0.9465364398
0.4500000000	0.9529152149
0.4550000000	0.9593088639
0.4600000000	0.9657543970
0.4650000000	0.9722428831
0.4700000000	0.9787666898
0.4750000000	0.9853266266
0.4800000000	0.9919347331
0.4850000000	0.9986130096
0.4900000000	1.0053330694
0.4950000000	1.0120663784
0.5000000000	1.0188605412
0.5050000000	1.0257240982
0.5100000000	1.0326156847
0.5150000000	1.0395429330
0.5200000000	1.0465589705
0.5250000000	1.0536550816
0.5300000000	1.0607959980
0.5350000000	1.0679692081
0.5400000000	1.0752321125
0.5450000000	1.0825433059
0.5500000000	1.0899215195
0.5550000000	1.0973892116
0.5600000000	1.1049565113
0.5650000000	1.1125469557
0.5700000000	1.1202304895
0.5750000000	1.1279999172
0.5800000000	1.1358520026
0.5850000000	1.1437598249
0.5900000000	1.1518146574
0.5950000000	1.1599452111
0.6000000000	1.1681214546
0.6050000000	1.1764469005
0.6100000000	1.1848356475
0.6150000000	1.1933474090
0.6200000000	1.2019487461
0.6250000000	1.2106405113
0.6300000000	1.2194592969
0.6350000000	1.2284043461
0.6400000000	1.2374051765
0.6450000000	1.2465939119
0.6500000000	1.2558795877
0.6550000000	1.2653109422
0.6600000000	1.2748495003
0.6650000000	1.2845691741
0.6700000000	1.2943915277
0.6750000000	1.3043942303
0.6800000000	1.3145068520
0.6850000000	1.3247999693
0.6900000000	1.3352507356
0.6950000000	1.3458546166
0.7000000000	1.3567033106
0.7050000000	1.3677106134
0.7100000000	1.3789339701
0.7150000000	1.3903335814
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0.7250000000	1.4138007496
0.7300000000	1.4258580170
0.7350000000	1.4381949634
0.7400000000	1.4507230962
0.7450000000	1.4635840011

0.7500000000	1.4766729828
0.7550000000	1.4900717279
0.7600000000	1.5037362511
0.7650000000	1.5176858676
0.7700000000	1.5320037059
0.7750000000	1.5466270852
0.7800000000	1.5616463472
0.7850000000	1.5770363935
0.7900000000	1.5927688336
0.7950000000	1.6089805560
0.8000000000	1.6256382814
0.8050000000	1.6427523330
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0.8150000000	1.6785341102
0.8200000000	1.6973223450
0.8250000000	1.7165141267
0.8300000000	1.7363767530
0.8350000000	1.7569084140
0.8400000000	1.7781736685
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0.8500000000	1.8230576331
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0.8650000000	1.8972403729
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0.8800000000	1.9813166954
0.8850000000	2.0120688625
0.8900000000	2.0443074367
0.8950000000	2.0784113017
0.9000000000	2.1146271728
0.9050000000	2.1529573703
0.9100000000	2.1935905271
0.9150000000	2.2368140373
0.9200000000	2.2831612762
0.9250000000	2.3331241812
0.9300000000	2.3871910834
0.9350000000	2.4458251189
0.9400000000	2.5101434359
0.9450000000	2.5811420559
0.9500000000	2.6600123218
0.9550000000	2.7490834973
0.9600000000	2.8507359588
0.9650000000	2.9684661974
0.9700000000	3.1078878017
0.9750000000	3.2800089138
0.9800000000	3.4985409520
0.9850000000	3.7948350802
0.9900000000	4.2428676007
0.9950000000	5.1064631871

3.12) $n=10, \rho=0$

$f_z(z), F_z(z)$



Coefficient

Mathematical Mean:	1.28578
Geometrical Mean :	1.05943
Harmonic Mean :	0.87943
Variance :	0.89805
S.D. :	0.94766
Skewed Coef. :	4.13712
Kurtosis Coef. :	66.61100
MAD :	0.62577
Range :	97.29253
Mid_range :	48.66101
Median :	1.04784
Q1 :	0.70722
Q2 :	1.04784
Q3 :	1.57040
IQR :	0.86318
C.V. :	0.73702

the critical value table

		significant level			
value	0.995	0.99	0.975	0.95	
	0.2119632019	0.2533953037	0.3245613309	0.3965896336	
		significant level			
value	0.05	0.025	0.01	0.005	
	2.9405536008	3.6660291438	4.8009361818	5.8210150290	

Note: the critical value table

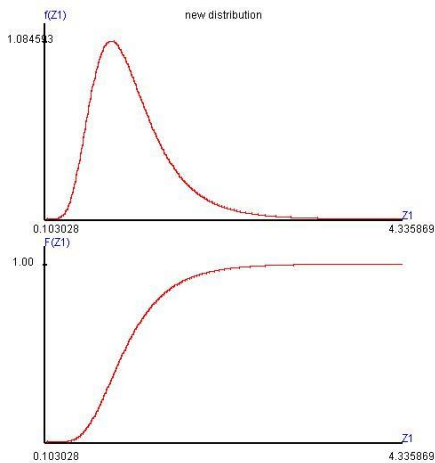
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0.0100000000	0.2533953037
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0.0250000000	0.3245613309
0.0300000000	0.3416040384
0.0350000000	0.3569625341
0.0400000000	0.3711562449
0.0450000000	0.3842919428
0.0500000000	0.3965896336
0.0550000000	0.4082544884
0.0600000000	0.4193877236
0.0650000000	0.4299494410
0.0700000000	0.4401353949
0.0750000000	0.4499690365
0.0800000000	0.4594541215
0.0850000000	0.4686610106
0.0900000000	0.4776771793
0.0950000000	0.4864076150
0.1000000000	0.4949115256
0.1050000000	0.5032841433
0.1100000000	0.5114251504
0.1150000000	0.5194506428
0.1200000000	0.5273362620
0.1250000000	0.5351268685
0.1300000000	0.5427361147
0.1350000000	0.5503010996
0.1400000000	0.5577510840
0.1450000000	0.5651224525
0.1500000000	0.5724131149
0.1550000000	0.5795892662
0.1600000000	0.5866887400
0.1650000000	0.5937307746
0.1700000000	0.6007322157
0.1750000000	0.6076687157
0.1800000000	0.6145908015
0.1850000000	0.6214410754
0.1900000000	0.6282401967
0.1950000000	0.6349601197
0.2000000000	0.6416535892
0.2050000000	0.6483165452
0.2100000000	0.6549635570
0.2150000000	0.6615901784
0.2200000000	0.6681648021
0.2250000000	0.6747395317
0.2300000000	0.6812537653
0.2350000000	0.6877897374
0.2400000000	0.6942962770
0.2450000000	0.7007554633
0.2500000000	0.7072200263
0.2550000000	0.7137099463
0.2600000000	0.7201791176
0.2650000000	0.7266352484
0.2700000000	0.7331004093
0.2750000000	0.7395242560
0.2800000000	0.7459396772
0.2850000000	0.7523477899
0.2900000000	0.7587731528
0.2950000000	0.7652146190
0.3000000000	0.7716603446
0.3050000000	0.7781113551
0.3100000000	0.7845541176
0.3150000000	0.7909933409
0.3200000000	0.7974636411
0.3250000000	0.8039411902
0.3300000000	0.8104266340
0.3350000000	0.8169134786
0.3400000000	0.8234623078
0.3450000000	0.8300227458
0.3500000000	0.8365612162
0.3550000000	0.8431182859
0.3600000000	0.8497073143
0.3650000000	0.8563254774
0.3700000000	0.8629579247
0.3750000000	0.8696148098

0.3800000000	0.8763307471
0.3850000000	0.8830651329
0.3900000000	0.8897969146
0.3950000000	0.8965449125
0.4000000000	0.9033191022
0.4050000000	0.9101565362
0.4100000000	0.9170512695
0.4150000000	0.9239712663
0.4200000000	0.9308931577
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0.4300000000	0.9449132129
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0.4700000000	1.0025047629
0.4750000000	1.0099200665
0.4800000000	1.0173787897
0.4850000000	1.0249307568
0.4900000000	1.0324836234
0.4950000000	1.0401362451
0.5000000000	1.0478364021
0.5050000000	1.0556002319
0.5100000000	1.0633894790
0.5150000000	1.0712676823
0.5200000000	1.0792219815
0.5250000000	1.0872615865
0.5300000000	1.0953367244
0.5350000000	1.1035159694
0.5400000000	1.1117210796
0.5450000000	1.1200148482
0.5500000000	1.1284517294
0.5550000000	1.1369412342
0.5600000000	1.1454939992
0.5650000000	1.1541252396
0.5700000000	1.1628748306
0.5750000000	1.1716887765
0.5800000000	1.1806242902
0.5850000000	1.1896363240
0.5900000000	1.1987351075
0.5950000000	1.2079698289
0.6000000000	1.2172920264
0.6050000000	1.2267352369
0.6100000000	1.2363000316
0.6150000000	1.2459853312
0.6200000000	1.2557341252
0.6250000000	1.2656755722
0.6300000000	1.2757315277
0.6350000000	1.2859267857
0.6400000000	1.2962854946
0.6450000000	1.3067132238
0.6500000000	1.3173604463
0.6550000000	1.3281167660
0.6600000000	1.3390706957
0.6650000000	1.3501118187
0.6700000000	1.3613543778
0.6750000000	1.3727703030
0.6800000000	1.3843792886
0.6850000000	1.3961522701
0.6900000000	1.4081590809
0.6950000000	1.4203416596
0.7000000000	1.4327755833
0.7050000000	1.4453638732
0.7100000000	1.4582007986
0.7150000000	1.4712816417
0.7200000000	1.4845989728
0.7250000000	1.4981380872
0.7300000000	1.5120397812
0.7350000000	1.5262044595
0.7400000000	1.5406246497
0.7450000000	1.5553518296
0.7500000000	1.5703952718

0.7550000000	1.5857948974
0.7600000000	1.6014416170
0.7650000000	1.6174654103
0.7700000000	1.6338259434
0.7750000000	1.6507137098
0.7800000000	1.6678987063
0.7850000000	1.6856536339
0.7900000000	1.7038276426
0.7950000000	1.7224231578
0.8000000000	1.7415586919
0.8050000000	1.7612992340
0.8100000000	1.7815237856
0.8150000000	1.8023761893
0.8200000000	1.8239128113
0.8250000000	1.8461079147
0.8300000000	1.8690086206
0.8350000000	1.8927063119
0.8400000000	1.9172649257
0.8450000000	1.9427530176
0.8500000000	1.9692765685
0.8550000000	1.9967629543
0.8600000000	2.0252524869
0.8650000000	2.0548807265
0.8700000000	2.0860114551
0.8750000000	2.1183656927
0.8800000000	2.1524141490
0.8850000000	2.1881488926
0.8900000000	2.2256173636
0.8950000000	2.2651857366
0.9000000000	2.3068555400
0.9050000000	2.3508480672
0.9100000000	2.3980413036
0.9150000000	2.4483358531
0.9200000000	2.5022185127
0.9250000000	2.5599940937
0.9300000000	2.6228040325
0.9350000000	2.6910871331
0.9400000000	2.7658164245
0.9450000000	2.8485150189
0.9500000000	2.9405536008
0.9550000000	3.0444831330
0.9600000000	3.1636113260
0.9650000000	3.3012487790
0.9700000000	3.4653254416
0.9750000000	3.6660291438
0.9800000000	3.9230278155
0.9850000000	4.2710350250
0.9900000000	4.8009361818
0.9950000000	5.8210150290

3.13) $n=20, \rho=0$

$f_z(z), F_z(z)$



Coefficient

Mathematical Mean:	1.11761
Geometrical Mean :	1.03019
Harmonic Mean :	0.95165
Variance :	0.23065
S.D. :	0.48026
Skewed Coef. :	1.65807
Kurtosis Coef. :	8.93189
MAD :	0.35685
Range :	14.52751
Mid_range :	7.35861
Median :	1.02309
Q1 :	0.78686
Q2 :	1.02309
Q3 :	1.33935
IQR :	0.55250
C.V. :	0.42972

the critical value table

	significant level			
value	0.995	0.99	0.975	0.95
	0.3723822179	0.4121066582	0.4772846242	0.5401469792
	significant level			
value	0.05	0.025	0.01	0.005
	2.0109452762	2.3096805125	2.7257856584	3.0616201339

Note: the critical value table

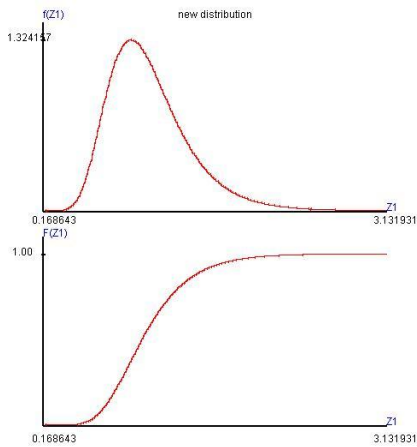
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0.0150000000	0.4389355758
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0.0250000000	0.4772846242
0.0300000000	0.4924300486
0.0350000000	0.5059445782
0.0400000000	0.5182461229
0.0450000000	0.5296185371
0.0500000000	0.5401469792
0.0550000000	0.5500086100
0.0600000000	0.5594372024
0.0650000000	0.5684043809
0.0700000000	0.5769604823
0.0750000000	0.5851305956
0.0800000000	0.5929908443
0.0850000000	0.6006685653
0.0900000000	0.6080282576
0.0950000000	0.6151737545
0.1000000000	0.6221580240
0.1050000000	0.6289491951
0.1100000000	0.6355585114
0.1150000000	0.6420077250
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0.1250000000	0.6545476216
0.1300000000	0.6606679380
0.1350000000	0.6666616051
0.1400000000	0.6725620798
0.1450000000	0.6783646400
0.1500000000	0.6840696881
0.1550000000	0.6896896096
0.1600000000	0.6952741434
0.1650000000	0.7007759777
0.1700000000	0.7062431302
0.1750000000	0.7115832435
0.1800000000	0.7168693340
0.1850000000	0.7221126053
0.1900000000	0.7273453173
0.1950000000	0.7324853532
0.2000000000	0.7375882641
0.2050000000	0.7426580544
0.2100000000	0.7476705425
0.2150000000	0.7526823504
0.2200000000	0.7576666620
0.2250000000	0.7626020191
0.2300000000	0.7675016315
0.2350000000	0.7723733630
0.2400000000	0.7772102693
0.2450000000	0.7820391349
0.2500000000	0.7868552325
0.2550000000	0.7915798970
0.2600000000	0.7963245109
0.2650000000	0.8010951885
0.2700000000	0.8058286361
0.2750000000	0.8105081739
0.2800000000	0.8151900192
0.2850000000	0.8199029896
0.2900000000	0.8245854835
0.2950000000	0.8292190175
0.3000000000	0.8338837362
0.3050000000	0.8384895212
0.3100000000	0.8431267418
0.3150000000	0.8477766022
0.3200000000	0.8523947602
0.3250000000	0.8570184487
0.3300000000	0.8616286931
0.3350000000	0.8662246341
0.3400000000	0.8708616531
0.3450000000	0.8754713407
0.3500000000	0.8800782243
0.3550000000	0.8847018583
0.3600000000	0.8893281516
0.3650000000	0.8939695006
0.3700000000	0.8985931159

0.3750000000	0.9032151288
0.3800000000	0.9078156647
0.3850000000	0.9124615665
0.3900000000	0.9171230644
0.3950000000	0.9217697313
0.4000000000	0.9264622968
0.4050000000	0.9311583265
0.4100000000	0.9358218950
0.4150000000	0.9405488925
0.4200000000	0.9452300403
0.4250000000	0.9499847813
0.4300000000	0.9547083684
0.4350000000	0.9594780857
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0.4450000000	0.9690721527
0.4500000000	0.9738635882
0.4550000000	0.9786850142
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0.4700000000	0.9933086398
0.4750000000	0.9981977358
0.4800000000	1.0031323043
0.4850000000	1.0080923400
0.4900000000	1.0130666582
0.4950000000	1.0180592305
0.5000000000	1.0230886410
0.5050000000	1.0281441003
0.5100000000	1.0332117138
0.5150000000	1.0383157263
0.5200000000	1.0434728935
0.5250000000	1.0486519599
0.5300000000	1.0538868397
0.5350000000	1.0591290697
0.5400000000	1.0644253102
0.5450000000	1.0697362283
0.5500000000	1.0750890418
0.5550000000	1.0804787829
0.5600000000	1.0858833843
0.5650000000	1.0913645338
0.5700000000	1.0968635583
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0.6050000000	1.1367793394
0.6100000000	1.1426509668
0.6150000000	1.1485867642
0.6200000000	1.1545936372
0.6250000000	1.1606964275
0.6300000000	1.1668229678
0.6350000000	1.1730148095
0.6400000000	1.1792591823
0.6450000000	1.1855776234
0.6500000000	1.1920002418
0.6550000000	1.1984317964
0.6600000000	1.2049964185
0.6650000000	1.2116764371
0.6700000000	1.2184275402
0.6750000000	1.2252426342
0.6800000000	1.2321218951
0.6850000000	1.2391306423
0.6900000000	1.2461782885
0.6950000000	1.2533274260
0.7000000000	1.2605947313
0.7050000000	1.2679462692
0.7100000000	1.2754034321
0.7150000000	1.2829778438
0.7200000000	1.2906332737
0.7250000000	1.2984408259
0.7300000000	1.3063095817
0.7350000000	1.3143357629
0.7400000000	1.3225427090
0.7450000000	1.3308617903

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0.7600000000	1.3567195251
0.7650000000	1.3657102582
0.7700000000	1.3748099632
0.7750000000	1.3841360737
0.7800000000	1.3936410108
0.7850000000	1.4033703576
0.7900000000	1.4133553781
0.7950000000	1.4234921440
0.8000000000	1.4339105292
0.8050000000	1.4445255275
0.8100000000	1.4553790172
0.8150000000	1.4665088070
0.8200000000	1.4780497721
0.8250000000	1.4897184897
0.8300000000	1.5018206276
0.8350000000	1.5142583854
0.8400000000	1.5270986370
0.8450000000	1.5402691354
0.8500000000	1.5539258094
0.8550000000	1.5679630377
0.8600000000	1.5825050873
0.8650000000	1.5975731132
0.8700000000	1.6131652171
0.8750000000	1.6293983194
0.8800000000	1.6463146271
0.8850000000	1.6638933147
0.8900000000	1.6822599787
0.8950000000	1.7015921579
0.9000000000	1.7217774866
0.9050000000	1.7430139098
0.9100000000	1.7653813808
0.9150000000	1.7891967938
0.9200000000	1.8143608969
0.9250000000	1.8411745539
0.9300000000	1.8698348227
0.9350000000	1.9008515069
0.9400000000	1.9341858033
0.9450000000	1.9708279231
0.9500000000	2.0109452762
0.9550000000	2.0557174624
0.9600000000	2.1058778054
0.9650000000	2.1633417300
0.9700000000	2.2301890621
0.9750000000	2.3096805125
0.9800000000	2.4083145084
0.9850000000	2.5380791784
0.9900000000	2.7257856584
0.9950000000	3.0616201339

3.14) $n=30, \rho=0$

$f_z(z), F_z(z)$



Coefficient

Mathematical Mean:	1.07405
Geometrical Mean :	1.02011
Harmonic Mean :	0.96983
Variance :	0.12839
S.D. :	0.35832
Skewed Coef. :	1.21023
Kurtosis Coef. :	5.98354
MAD :	0.27364
Range :	6.40940
Mid_range :	3.36762
Median :	1.01526
Q1 :	0.82201
Q2 :	1.01526
Q3 :	1.25956
IQR :	0.43755
C.V. :	0.33361

the critical value table

	significant level			
value	0.995	0.99	0.975	0.95
	0.4551353887	0.4921582558	0.5520388499	0.6086569497

	significant level			
value	0.05	0.025	0.01	0.005
	1.7377312502	1.9365123621	2.2034769124	2.4075173389

Note: the critical value table

0.0050000000	0.4551353887
0.0100000000	0.4921582558
0.0150000000	0.5169611156
0.0200000000	0.5361322794
0.0250000000	0.5520388499
0.0300000000	0.5657324819
0.0350000000	0.5780180744
0.0400000000	0.5891102225
0.0450000000	0.5992406553
0.0500000000	0.6086569497
0.0550000000	0.6174981917
0.0600000000	0.6258524123
0.0650000000	0.6338281033
0.0700000000	0.6413896505
0.0750000000	0.6486538769
0.0800000000	0.6556072407
0.0850000000	0.6623126428
0.0900000000	0.6688230079
0.0950000000	0.6750653197
0.1000000000	0.6811100308
0.1050000000	0.6870351209
0.1100000000	0.6928691982
0.1150000000	0.6984880463
0.1200000000	0.7039689680
0.1250000000	0.7093163620
0.1300000000	0.7145700043
0.1350000000	0.7197322505
0.1400000000	0.7248004371
0.1450000000	0.7297979102
0.1500000000	0.7346990158
0.1550000000	0.7395205462
0.1600000000	0.7442709592
0.1650000000	0.7490130971
0.1700000000	0.7536561079
0.1750000000	0.7582637842
0.1800000000	0.7627546367
0.1850000000	0.7672307943
0.1900000000	0.7716392416
0.1950000000	0.7760109023
0.2000000000	0.7803532326
0.2050000000	0.7846384160
0.2100000000	0.7889342472
0.2150000000	0.7931853494
0.2200000000	0.7974036834
0.2250000000	0.8015628662
0.2300000000	0.8057190588
0.2350000000	0.8098434479
0.2400000000	0.8139237003
0.2450000000	0.8179720137
0.2500000000	0.8220145522
0.2550000000	0.8260426192
0.2600000000	0.8300328650
0.2650000000	0.8340164785
0.2700000000	0.8379715597
0.2750000000	0.8419042571
0.2800000000	0.8457688456
0.2850000000	0.8496690635
0.2900000000	0.8535334507
0.2950000000	0.8574317769
0.3000000000	0.8613144525
0.3050000000	0.8651757259
0.3100000000	0.8689910636
0.3150000000	0.8728197880
0.3200000000	0.8766546785
0.3250000000	0.8804758739
0.3300000000	0.8842840628
0.3350000000	0.8881204353
0.3400000000	0.8919252593
0.3450000000	0.8956969244
0.3500000000	0.8994799121
0.3550000000	0.9032348192
0.3600000000	0.9070227171
0.3650000000	0.9108118754
0.3700000000	0.9146006576

0.3750000000	0.9184165518
0.3800000000	0.9222036677
0.3850000000	0.9260093026
0.3900000000	0.9298165782
0.3950000000	0.9336144530
0.4000000000	0.9374277077
0.4050000000	0.9412279750
0.4100000000	0.9450301907
0.4150000000	0.9488685502
0.4200000000	0.9526967292
0.4250000000	0.9565306641
0.4300000000	0.9603513210
0.4350000000	0.9642143501
0.4400000000	0.9680551578
0.4450000000	0.9719064705
0.4500000000	0.9757820753
0.4550000000	0.9796361344
0.4600000000	0.9835107836
0.4650000000	0.9874196454
0.4700000000	0.9913416598
0.4750000000	0.9952697785
0.4800000000	0.9992292048
0.4850000000	1.0031923713
0.4900000000	1.0072068031
0.4950000000	1.0112451202
0.5000000000	1.0152579081
0.5050000000	1.0193139928
0.5100000000	1.0233397778
0.5150000000	1.0274309684
0.5200000000	1.0315233983
0.5250000000	1.0356469306
0.5300000000	1.0397399106
0.5350000000	1.0438711408
0.5400000000	1.0480541690
0.5450000000	1.0522532079
0.5500000000	1.0564841505
0.5550000000	1.0607221719
0.5600000000	1.0649964893
0.5650000000	1.0692937373
0.5700000000	1.0736111579
0.5750000000	1.0779865015
0.5800000000	1.0823757350
0.5850000000	1.0867866453
0.5900000000	1.0912626736
0.5950000000	1.0957382223
0.6000000000	1.1002287431
0.6050000000	1.1047708110
0.6100000000	1.1093203277
0.6150000000	1.1139751210
0.6200000000	1.1186263776
0.6250000000	1.1233493950
0.6300000000	1.1281197295
0.6350000000	1.1329045555
0.6400000000	1.1377689341
0.6450000000	1.1426741730
0.6500000000	1.1476073306
0.6550000000	1.1525852220
0.6600000000	1.1575930126
0.6650000000	1.1627094518
0.6700000000	1.1678800822
0.6750000000	1.1730529163
0.6800000000	1.1783103248
0.6850000000	1.1836335885
0.6900000000	1.1890078835
0.6950000000	1.1944680936
0.7000000000	1.2000038758
0.7050000000	1.2055685707
0.7100000000	1.2112552667
0.7150000000	1.2170247743
0.7200000000	1.2227982290
0.7250000000	1.2287020244
0.7300000000	1.2346559218
0.7350000000	1.2407584797
0.7400000000	1.2469099134
0.7450000000	1.2531759281

0.7500000000	1.2595640699
0.7550000000	1.2660191259
0.7600000000	1.2726162028
0.7650000000	1.2793086589
0.7700000000	1.2861295148
0.7750000000	1.2930369706
0.7800000000	1.3001240452
0.7850000000	1.3072701921
0.7900000000	1.3146093093
0.7950000000	1.3221285599
0.8000000000	1.3298164926
0.8050000000	1.3376301800
0.8100000000	1.3456553253
0.8150000000	1.3538995578
0.8200000000	1.3623390748
0.8250000000	1.3709281022
0.8300000000	1.3797790016
0.8350000000	1.3888436166
0.8400000000	1.3981399633
0.8450000000	1.4077860195
0.8500000000	1.4175813287
0.8550000000	1.4277637046
0.8600000000	1.4381872331
0.8650000000	1.4490729310
0.8700000000	1.4603556323
0.8750000000	1.4719472939
0.8800000000	1.4840062752
0.8850000000	1.4964870528
0.8900000000	1.5095703534
0.8950000000	1.5232180616
0.9000000000	1.5374615628
0.9050000000	1.5524619147
0.9100000000	1.5681686647
0.9150000000	1.5848155907
0.9200000000	1.6023754064
0.9250000000	1.6211058430
0.9300000000	1.6411979596
0.9350000000	1.6625346839
0.9400000000	1.6854723087
0.9450000000	1.7104226086
0.9500000000	1.7377312502
0.9550000000	1.7679134993
0.9600000000	1.8014802598
0.9650000000	1.8398914559
0.9700000000	1.8842589056
0.9750000000	1.9365123621
0.9800000000	2.0014354237
0.9850000000	2.0844777024
0.9900000000	2.2034769124
0.9950000000	2.4075173389