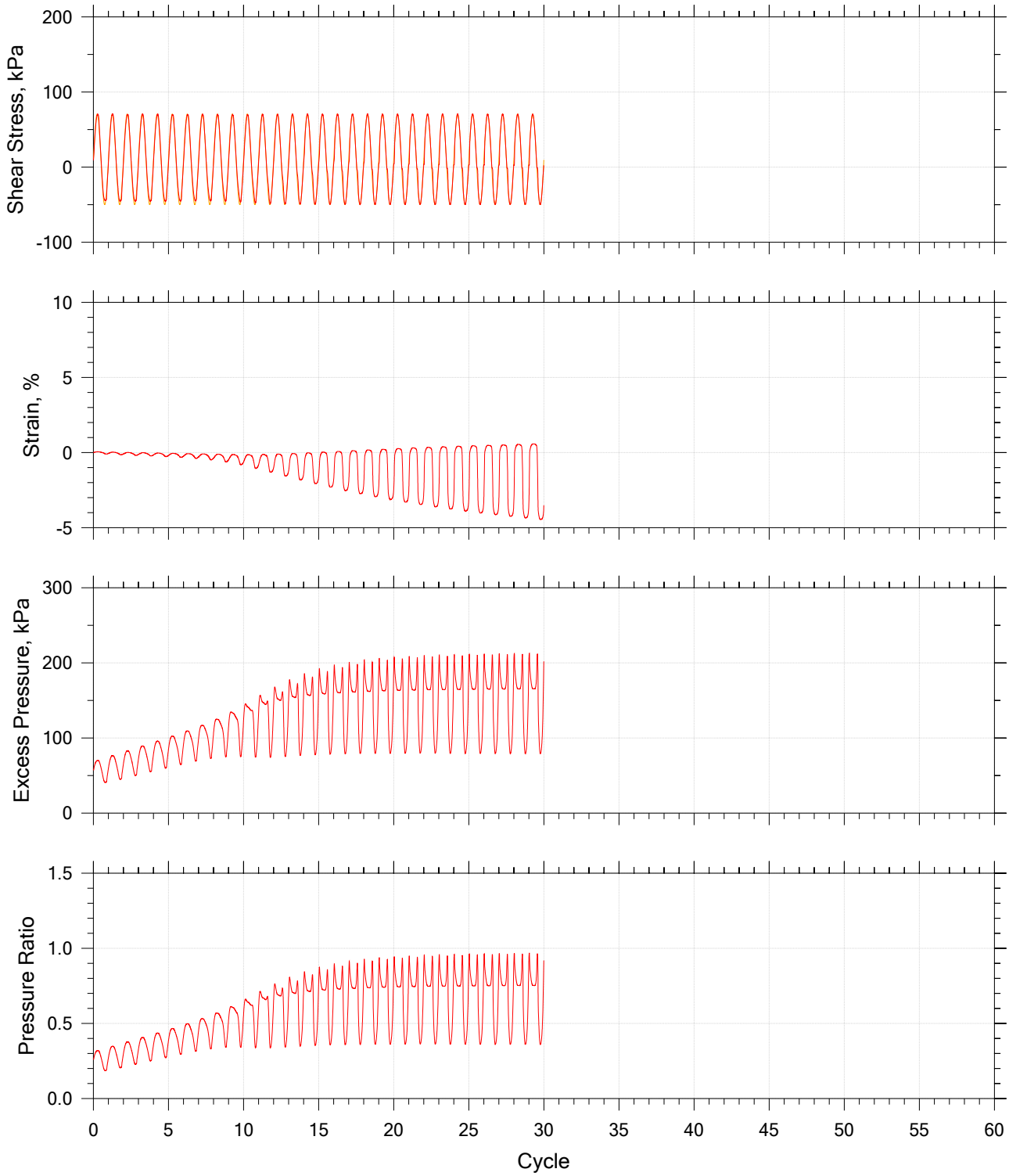
CYCLIC TRIAXIAL TEST

Cyclic Data

Step 4 of 4

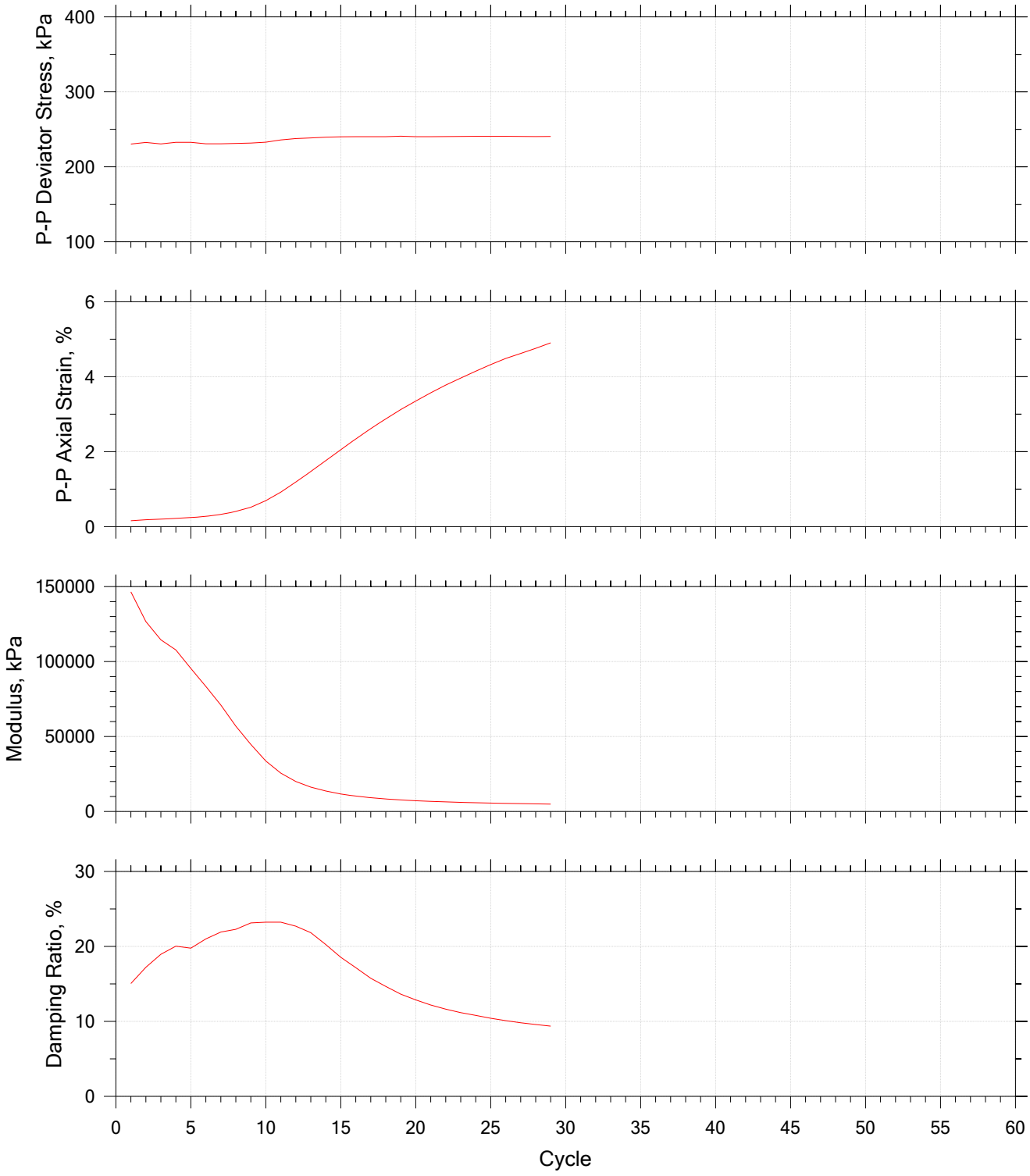


Geocomp A SERCEL COMPANY	Project: CYCTRIAX	Location: Labtown, USA	Project No.: CYCTX123
	Boring No.:	Tested By: rf	Checked By: vb
	Sample No.:	Test Date: XX/XX/XXXX	Depth:
	Test No.:	Sample Type:	Elevation:
	Description:		
	Remarks:		

CYCLIC TRIAXIAL TEST

Modulus/Damping Results

Step 4 of 4



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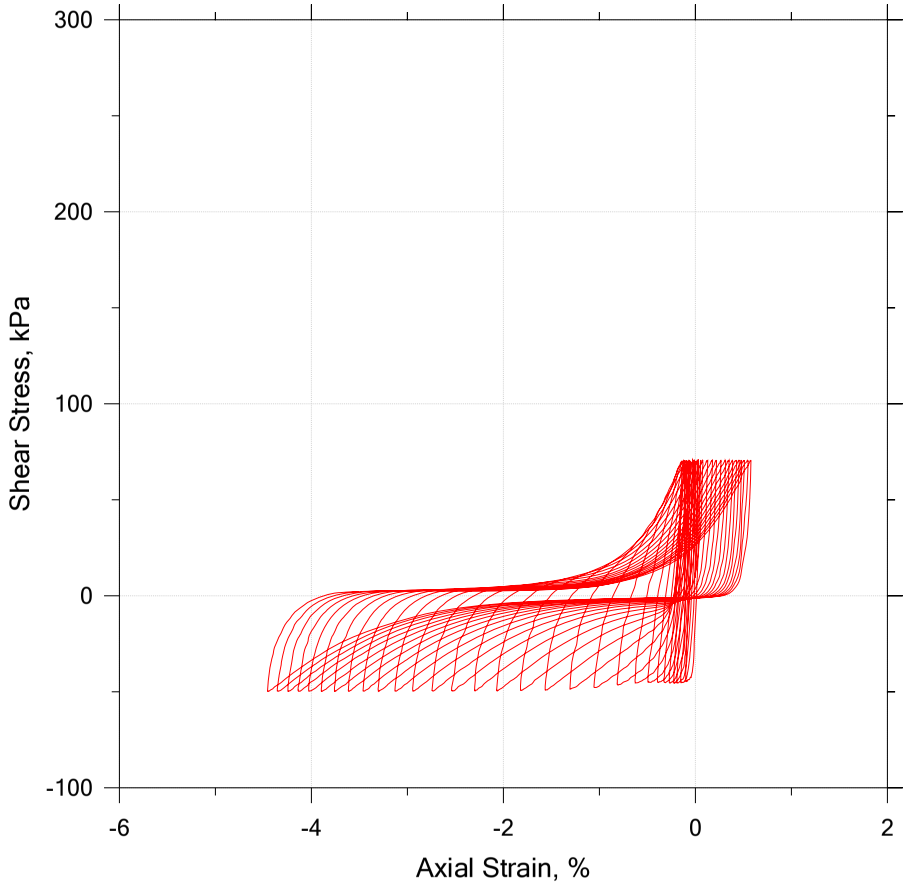
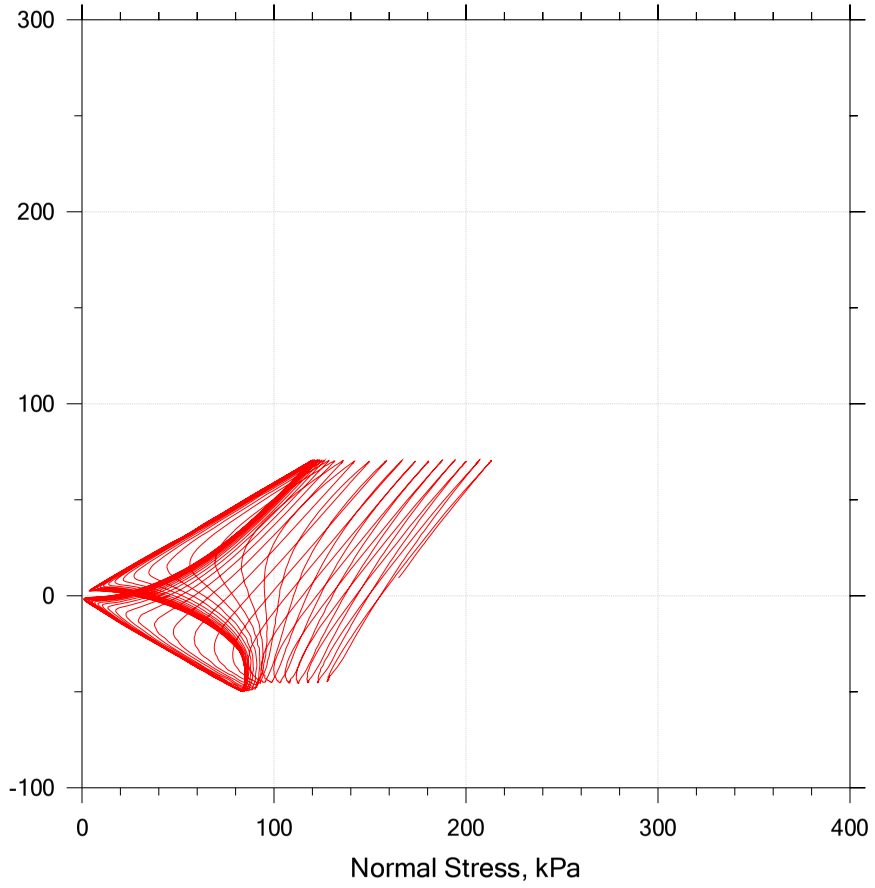
CYCLIC TRIAXIAL TEST

Cyclic Stress Strain Results

Step 4 of 4

Cycle 0.0 to 30.0





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CYCLIC TRIAXIAL TEST

Cyclic Results

Step 4 of 4

Cycle	Load N	Displacement mm	Strain %	Cell Pressure kPa	Sample Pressure kPa	Excess Pressure kPa	Normal Stress kPa	Shear Stress kPa
0.0019531	167.50	0.00082118	0.00053947	723.93	568.44	57.333	164.85	9.3493
0.0039063	168.33	0.00083969	0.00055163	723.95	568.44	57.340	164.96	9.4536
0.0058594	170.24	0.00093142	0.00061189	723.98	568.47	57.364	165.20	9.6939
0.0078125	173.24	0.0011315	0.00074334	723.99	568.51	57.406	165.55	10.073
0.0097656	176.96	0.0014584	0.00095806	723.99	568.57	57.466	165.96	10.542
0.011719	180.64	0.0019110	0.0012554	723.99	568.64	57.540	166.35	11.007
0.013672	183.89	0.0024975	0.0016407	723.98	568.72	57.621	166.67	11.417
0.015625	186.63	0.0032238	0.0021179	723.98	568.82	57.715	166.93	11.763
0.017578	188.97	0.0040826	0.0026820	724.00	568.92	57.822	167.13	12.057
0.019531	191.53	0.0050817	0.0033384	724.03	569.05	57.946	167.36	12.381
0.021484	194.91	0.0062139	0.0040822	724.05	569.20	58.095	167.66	12.807
0.023438	199.31	0.0074447	0.0048907	724.08	569.37	58.264	168.07	13.361
0.025391	204.69	0.0087407	0.0057422	724.08	569.55	58.450	168.57	14.040
0.027344	210.73	0.010051	0.0066027	724.06	569.75	58.644	169.12	14.803
0.029297	216.98	0.011329	0.0074427	724.03	569.94	58.836	169.68	15.591
0.031250	223.11	0.012545	0.0082417	723.98	570.13	59.030	170.22	16.366
0.033203	229.08	0.013686	0.0089912	723.95	570.33	59.225	170.74	17.120
0.035156	234.93	0.014764	0.0096990	723.93	570.53	59.431	171.26	17.858
0.037109	240.83	0.015806	0.010384	723.94	570.76	59.654	171.78	18.603
0.039063	246.97	0.016842	0.011064	723.96	571.00	59.897	172.33	19.378
0.041016	253.53	0.017891	0.011753	723.98	571.26	60.152	172.93	20.205
0.042969	260.42	0.018955	0.012452	723.99	571.51	60.409	173.55	21.074
0.044922	267.57	0.020009	0.013145	723.99	571.75	60.651	174.21	21.977
0.046875	274.89	0.021033	0.013818	723.98	571.98	60.873	174.91	22.900
0.048828	282.05	0.022013	0.014461	723.98	572.17	61.070	175.61	23.804
0.050781	288.92	0.022954	0.015079	723.98	572.35	61.251	176.30	24.671
0.052734	295.27	0.023877	0.015686	723.99	572.53	61.429	176.93	25.472
0.054688	301.15	0.024792	0.016287	724.01	572.71	61.603	177.52	26.214
0.056641	306.76	0.025727	0.016901	724.02	572.89	61.787	178.05	26.921
0.058594	311.97	0.026677	0.017525	724.02	573.08	61.972	178.53	27.579
0.060547	317.05	0.027623	0.018147	724.01	573.25	62.149	178.98	28.220
0.062500	322.20	0.028574	0.018771	724.00	573.42	62.320	179.45	28.870
0.064453	327.17	0.029507	0.019385	723.99	573.58	62.476	179.91	29.498
0.066406	332.13	0.030407	0.019975	723.98	573.72	62.620	180.38	30.123
0.068359	337.25	0.031274	0.020545	723.98	573.87	62.763	180.88	30.769
0.070313	342.39	0.032072	0.021069	723.98	574.00	62.901	181.40	31.418
0.072266	347.69	0.032795	0.021544	723.98	574.14	63.040	181.92	32.087
0.074219	353.21	0.033470	0.021988	723.97	574.29	63.185	182.46	32.784
0.076172	358.59	0.034106	0.022406	723.95	574.43	63.329	182.98	33.463
0.078125	363.71	0.034727	0.022814	723.94	574.57	63.471	183.48	34.109
0.080078	368.57	0.035368	0.023235	723.94	574.72	63.616	183.94	34.723
0.082031	373.03	0.036019	0.023662	723.95	574.86	63.761	184.37	35.285
0.083984	377.24	0.036646	0.024074	723.97	575.00	63.898	184.79	35.816
0.085938	381.67	0.037254	0.024474	724.00	575.14	64.033	185.24	36.375
0.087891	386.54	0.037843	0.024861	724.03	575.27	64.165	185.75	36.989
0.089844	391.69	0.038396	0.025224	724.05	575.39	64.288	186.30	37.639
0.091797	397.10	0.038956	0.025592	724.05	575.51	64.405	186.86	38.321
0.093750	402.56	0.039548	0.025981	724.04	575.63	64.523	187.42	39.010
0.095703	407.48	0.040156	0.026380	724.01	575.74	64.640	187.90	39.632
0.097656	411.86	0.040792	0.026798	723.98	575.86	64.755	188.31	40.185

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CYCLIC TRIAXIAL TEST

Cyclic Modulus

Step 4 of 4

Cycle	Peak Axial Strain %	Peak Deviator Stress kPa	Peak-Peak Axial Strain %	Peak-Peak Deviator Stress kPa	Young's Modulus kPa	Damping Ratio %
1.0000	0.055841	141.12	0.15718	230.32	1.4653e+05	15.045
2.0000	0.030930	142.02	0.18357	232.48	1.2665e+05	17.213
3.0000	0.0098174	139.97	0.20148	230.62	1.1446e+05	18.947
4.0000	-0.0087422	141.78	0.21604	232.72	1.0772e+05	20.025
5.0000	-0.027834	141.88	0.24390	232.67	95394.	19.761
6.0000	-0.050785	140.24	0.27651	230.64	83410.	20.994
7.0000	-0.070128	140.40	0.32493	230.73	71007.	21.905
8.0000	-0.087828	141.05	0.40624	231.19	56910.	22.284
9.0000	-0.10910	140.95	0.51831	231.74	44710.	23.126
10.000	-0.12161	140.08	0.69209	232.84	33643.	23.228
11.000	-0.13474	140.35	0.92182	235.84	25584.	23.223
12.000	-0.11618	140.58	1.1900	237.75	19978.	22.699
13.000	-0.095834	140.48	1.4687	238.50	16239.	21.833
14.000	-0.062265	141.12	1.7594	239.58	13617.	20.245
15.000	-0.012641	141.15	2.0565	240.00	11671.	18.554
16.000	0.034196	141.33	2.3336	240.24	10295.	17.160
17.000	0.079247	141.21	2.6182	240.28	9177.2	15.738
18.000	0.12960	141.11	2.8724	240.24	8363.9	14.664
19.000	0.17953	141.59	3.1239	240.82	7708.9	13.626
20.000	0.22118	141.01	3.3499	240.27	7172.5	12.859
21.000	0.26729	141.04	3.5710	240.21	6726.8	12.186
22.000	0.31506	141.14	3.7763	240.44	6367.0	11.633
23.000	0.35101	141.26	3.9648	240.57	6067.6	11.157
24.000	0.38850	141.08	4.1472	240.69	5803.7	10.797
25.000	0.42961	141.09	4.3251	240.65	5564.1	10.411
26.000	0.45777	141.32	4.4855	240.65	5365.1	10.089
27.000	0.48084	141.15	4.6193	240.57	5207.9	9.8118
28.000	0.51097	140.98	4.7557	240.39	5054.8	9.5803
29.000	0.54919	141.11	4.9041	240.52	4904.4	9.3660

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