

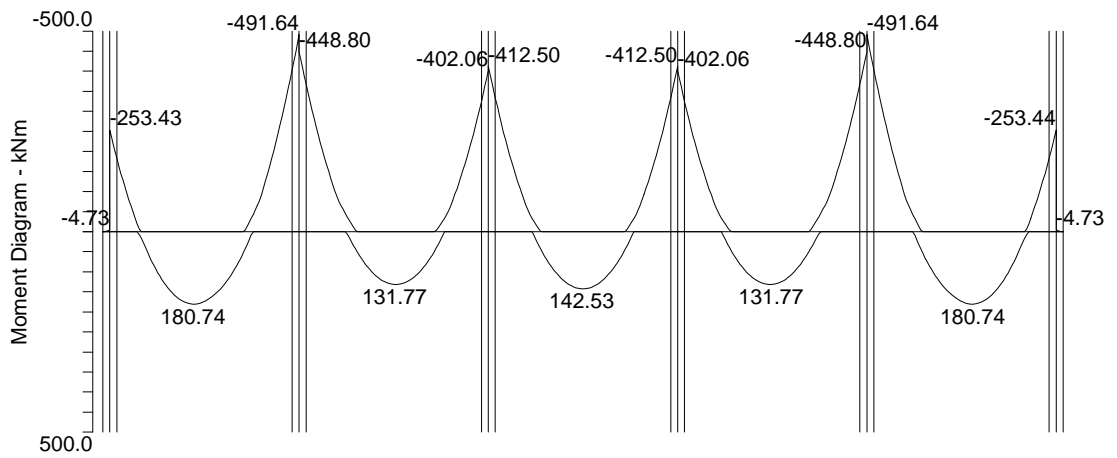
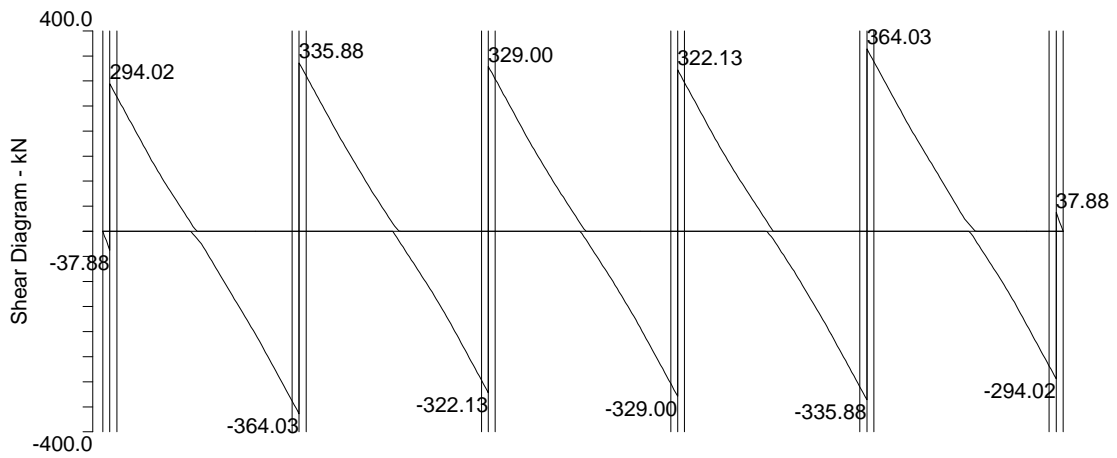
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File: C:\Data\CSA A23.3 - Kt Revised.slb

Project: CSA A23.3 - Kt Torsional Stiffness Illustration

Frame:

Engineer:



LEGEND:  
 — Envelope

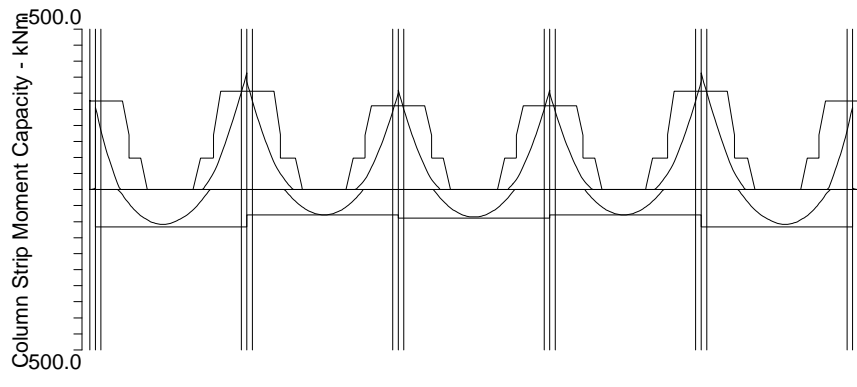
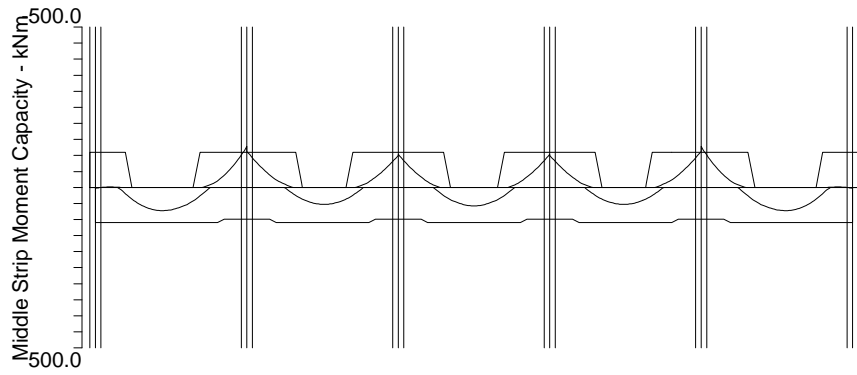
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File: C:\Data\CSA A23.3 - Kt Revised.slb

Project: CSA A23.3 - Kt Torsional Stiffness Illustration

Frame:

Engineer:



**LEGEND:**  
 — Envelope Curve  
 — Capacity Curve  
 — Support Centerline  
 — Face of Support

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File: C:\Data\CSA A23.3 - Kt Revised.slb

Project: CSA A23.3 - Kt Torsional Stiffness Illustration

Frame:

Engineer:

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    oooooo   oo   oooooo   ooo   oooooo   o   oooooo   (TM)
    
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    A Computer Program for Analysis, Design, and Investigation of
    Reinforced Concrete Beams, One-way and Two-way Slab Systems
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=====
[1] INPUT ECHO
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General Information

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=====
File name: C:\Data\CSA A23.3 - Kt Revised.slb
Project: CSA A23.3 - Kt Torsional Stiffness Illustration
Frame:
Engineer:
Code: CSA A23.3-04
Reinforcement Database: CSA G30.18
Mode: Design
Number of supports = 6 + Left cantilever + Right cantilever
Floor System: Two-Way
    
```

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Live load pattern ratio = 75%
Minimum free edge for punching shear = 5 times slab effective depth
Deflections are based on cracked section properties.
In negative moment regions, Ig and Mcr DO NOT include flange/slab contribution (if available)
Long-term deflections are calculated for load duration of 60 months.
0% of live load is sustained.
Compression reinforcement calculations NOT selected.
Default incremental rebar design selected.
Combined M-V-T reinforcement design NOT selected.
User-defined slab strip widths selected.
User-defined distribution factors NOT selected.
One-way shear in drop panel NOT selected.
Distribution of shear to strips NOT selected.
Beam T-section design NOT selected.
Longitudinal beam contribution in negative reinforcement design over support NOT selected.
Transverse beam contribution in negative reinforcement design over support NOT selected.
    
```

Material Properties

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=====
          Slabs|Beams          Columns
          -----          -----
wc   =          2400          2400 kg/m3
f'c  =          30          30 MPa
Ec   =          26621          26621 MPa
fr   =          1.6432          3.2863 MPa
Precast concrete construction is not selected.

fy   =          400 MPa, Bars are not epoxy-coated
fyt  =          400 MPa
Es   =          200000 MPa
    
```

Reinforcement Database

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=====
Units: Db (mm), Ab (mm^2), Wb (kg/m)
Size  Db   Ab   Wb   Size  Db   Ab   Wb
-----
#10   11   100   1   #15   16   200   2
#20   20   300   2   #25   25   500   4
#30   30   700   5   #35   36   1000  8
    
```

#45      44      1500      12      #55      56      2500      20

Span Data

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Slabs

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Units: L1, wL, wR (m); t, Hmin (mm)

Span	Loc	L1	t	wL	wR	Hmin
1	Int	0.250	200	4.000	4.000	120 LC
2	Int	6.800	200	4.000	4.000	170
3	Int	6.800	200	4.000	4.000	170
4	Int	6.800	200	4.000	4.000	170
5	Int	6.800	200	4.000	4.000	170
6	Int	6.800	200	4.000	4.000	170
7	Int	0.250	200	4.000	4.000	120 RC

Support Data

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Columns

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Units: c1a, c2a, c1b, c2b (mm); Ha, Hb (m)

Supp	c1a	c2a	Ha	c1b	c2b	Hb	Red%
1	500	500	3.300	500	500	3.300	100
2	500	500	3.300	500	500	3.300	100
3	500	500	3.300	500	500	3.300	100
4	500	500	3.300	500	500	3.300	100
5	500	500	3.300	500	500	3.300	100
6	500	500	3.300	500	500	3.300	100

Drop Panels

-----

Units: h (mm); L1, L2, W1, W2 (m)

Supp	h	L1	L2	W1	W2
1	100	0.250	1.500	1.500	1.500
2	100	1.500	1.500	1.500	1.500
3	100	1.500	1.500	1.500	1.500
4	100	1.500	1.500	1.500	1.500
5	100	1.500	1.500	1.500	1.500
6	100	1.500	0.250	1.500	1.500

Transverse Beams

-----

Units: b, h, Ecc (mm)

Supp	b	h	Ecc
1	250	450	-124
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	250	450	124

Boundary Conditions

-----

Units: Kz (kN/mm); Kry (kN-mm/rad)

Supp	Spring Kz	Spring Kry	Far End A	Far End B
1	0	0	Fixed	Fixed
2	0	0	Fixed	Fixed
3	0	0	Fixed	Fixed
4	0	0	Fixed	Fixed
5	0	0	Fixed	Fixed
6	0	0	Fixed	Fixed

Load Data

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Load Cases and Combinations

Case Type	SELF DEAD	Dead DEAD	Live LIVE
U1	1.250	1.250	1.500

Area Loads

-----

Units: Wa (kN/m2)

Case/Patt	Span	Wa
SELF	1	4.71
	2	4.71
	3	4.71
	4	4.71
	5	4.71
	6	4.71

	7	4.71
Dead	1	1.70
	2	1.70
	3	1.70
	4	1.70
	5	1.70
	6	1.70
	7	1.70
Live	1	2.40
	2	2.40
	3	2.40
	4	2.40
	5	2.40
	6	2.40
	7	2.40
Live/Odd	1	1.80
	3	1.80
	5	1.80
	7	1.80
Live/Even	2	1.80
	4	1.80
	6	1.80
Live/S1	1	1.80
	2	1.80
Live/S2	2	1.80
	3	1.80
Live/S3	3	1.80
	4	1.80
Live/S4	4	1.80
	5	1.80
Live/S5	5	1.80
	6	1.80
Live/S6	6	1.80
	7	1.80

Line Loads

-----

Units: Wa, Wb (kN/m), La, Lb (m)

Case/Patt	Span	Wa	La	Wb	Lb
SELF	1	47.07	0.001	47.07	0.250
	2	47.07	0.000	47.07	0.001
	6	47.07	6.799	47.07	6.800
	7	47.07	0.000	47.07	0.249
	1	0.03	0.000	0.03	0.250
	2	7.06	0.000	7.06	1.500
	2	7.06	5.300	7.06	6.800
	3	7.06	0.000	7.06	1.500
	3	7.06	5.300	7.06	6.800
	4	7.06	0.000	7.06	1.500
	4	7.06	5.300	7.06	6.800
	5	7.06	0.000	7.06	1.500
	5	7.06	5.300	7.06	6.800
	6	7.06	0.000	7.06	1.500
	6	7.06	5.300	7.06	6.800
	7	0.03	0.000	0.03	0.250

Reinforcement Criteria

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Slabs and Ribs

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	___Top bars___		___Bottom bars___	
	Min	Max	Min	Max
Bar Size	#15	#15	#15	#15
Bar spacing	150	457	150	457 mm
Reinf ratio	0.20	2.00	0.20	2.00 %
Cover	41		41	mm

There is NOT more than 300 mm of concrete below top bars.

Beams

-----

	___Top bars___		___Bottom bars___		___Stirrups___	
	Min	Max	Min	Max	Min	Max
Bar Size	#20	#35	#20	#35	#10	#20
Bar spacing	51	457	51	457	152	457 mm
Reinf ratio	0.20	2.00	0.20	2.00 %		
Cover	38		38			mm
Layer dist.	30		30			mm
No. of legs					2	6
Side cover					40	mm
1st Stirrup					75	mm

There is NOT more than 300 mm of concrete below top bars.

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    oooooo  oo  oooooo  oo  oooooo  o  oooooo  (TM)
    
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[6] SEGMENTAL MOMENT AND SHEAR - ENVELOPES
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Span	x (m)	M- (kNm) Comb	M+ (kNm) Comb	V- (kN) Comb	V+ (kN) Comb
1	0.000	-0.00 U1	-0.00 U1	0.00 U1	0.00 U1
	0.063	-0.29 U1	-0.00 U1	-9.43 U1	0.00 U1
	0.125	-1.18 U1	-0.00 U1	-18.91 U1	0.00 U1
	0.188	-2.66 U1	-0.00 U1	-28.39 U1	0.00 U1
	0.250	-4.73 U1	-0.00 U1	-37.88 U1	0.00 U1
2	0.000	-253.43 U1	-0.00 U1	0.00 U1	294.02 U1
	0.063	-235.26 U1	-0.00 U1	0.00 U1	287.61 U1
	0.125	-217.48 U1	-0.00 U1	0.00 U1	281.25 U1
	0.188	-200.10 U1	-0.00 U1	0.00 U1	274.90 U1
	0.250	-183.12 U1	-0.00 U1	0.00 U1	268.54 U1
	0.250	-183.12 U1	-0.00 U1	0.00 U1	268.54 U1
	0.324	-163.65 U1	-0.00 U1	0.00 U1	261.06 U1
	0.397	-145.16 U1	-0.00 U1	0.00 U1	253.59 U1
	0.471	-127.63 U1	-0.00 U1	0.00 U1	246.11 U1
	0.544	-110.61 U1	-0.00 U1	0.00 U1	238.63 U1
	0.618	-94.10 U1	-0.00 U1	0.00 U1	231.15 U1
	0.691	-78.10 U1	-0.00 U1	0.00 U1	223.68 U1
	0.765	-62.61 U1	-0.00 U1	0.00 U1	216.20 U1
	0.838	-47.63 U1	-0.00 U1	0.00 U1	208.72 U1
	0.912	-33.16 U1	-0.00 U1	0.00 U1	201.25 U1
	0.985	-19.21 U1	-0.00 U1	0.00 U1	193.77 U1
	1.059	-5.76 U1	7.93 U1	0.00 U1	186.29 U1
	1.132	-0.00 U1	16.72 U1	0.00 U1	178.81 U1
	1.206	-0.00 U1	27.12 U1	0.00 U1	171.34 U1
	1.279	-0.00 U1	39.44 U1	0.00 U1	163.86 U1
	1.353	-0.00 U1	51.21 U1	0.00 U1	156.38 U1
	1.426	-0.00 U1	62.44 U1	0.00 U1	148.90 U1
	1.500	-0.00 U1	73.11 U1	0.00 U1	141.43 U1
	1.500	-0.00 U1	73.11 U1	0.00 U1	141.43 U1
	1.575	-0.00 U1	83.39 U1	0.00 U1	134.51 U1
	1.649	-0.00 U1	93.15 U1	0.00 U1	127.59 U1
	1.724	-0.00 U1	102.40 U1	0.00 U1	120.67 U1
	1.798	-0.00 U1	111.14 U1	0.00 U1	113.75 U1
1.873	-0.00 U1	119.35 U1	0.00 U1	106.83 U1	
1.947	-0.00 U1	127.05 U1	0.00 U1	99.91 U1	
2.022	-0.00 U1	134.24 U1	0.00 U1	93.01 U1	
2.096	-0.00 U1	140.91 U1	0.00 U1	86.63 U1	
2.171	-0.00 U1	147.07 U1	0.00 U1	80.24 U1	
2.245	-0.00 U1	152.71 U1	0.00 U1	73.86 U1	
2.320	-0.00 U1	157.83 U1	0.00 U1	67.48 U1	
2.394	-0.00 U1	162.44 U1	0.00 U1	61.09 U1	
2.469	-0.00 U1	166.53 U1	0.00 U1	54.71 U1	
2.543	-0.00 U1	170.11 U1	0.00 U1	48.33 U1	
2.618	-0.00 U1	173.17 U1	0.00 U1	41.94 U1	
2.692	-0.00 U1	175.72 U1	0.00 U1	35.56 U1	
2.767	-0.00 U1	177.75 U1	0.00 U1	29.18 U1	
2.841	-0.00 U1	179.26 U1	0.00 U1	22.79 U1	
2.916	-0.00 U1	180.26 U1	-0.60 U1	16.41 U1	

	2.990	-0.00	U1	180.74	U1	-5.38	U1	10.03	U1
	3.065	-0.00	U1	180.71	U1	-10.15	U1	3.64	U1
	3.139	-0.00	U1	180.16	U1	-14.93	U1	0.00	U1
	3.214	-0.00	U1	179.10	U1	-19.70	U1	0.00	U1
	3.288	-0.00	U1	177.52	U1	-24.65	U1	0.00	U1
	3.363	-0.00	U1	175.43	U1	-31.57	U1	0.00	U1
	3.437	-0.00	U1	172.82	U1	-38.49	U1	0.00	U1
	3.512	-0.00	U1	169.69	U1	-45.41	U1	0.00	U1
	3.586	-0.00	U1	166.05	U1	-52.33	U1	0.00	U1
	3.661	-0.00	U1	161.89	U1	-59.25	U1	0.00	U1
	3.735	-0.00	U1	157.94	U1	-66.17	U1	0.00	U1
	3.810	-0.00	U1	153.69	U1	-73.09	U1	0.00	U1
	3.884	-0.00	U1	148.97	U1	-80.01	U1	0.00	U1
	3.959	-0.00	U1	143.77	U1	-86.93	U1	0.00	U1
	4.033	-0.00	U1	138.10	U1	-93.85	U1	0.00	U1
	4.108	-0.00	U1	131.95	U1	-100.77	U1	0.00	U1
	4.182	-0.00	U1	125.32	U1	-107.69	U1	0.00	U1
	4.257	-0.00	U1	118.22	U1	-114.61	U1	0.00	U1
	4.331	-0.00	U1	110.65	U1	-121.53	U1	0.00	U1
	4.406	-0.00	U1	102.59	U1	-128.45	U1	0.00	U1
	4.480	-0.00	U1	94.07	U1	-135.37	U1	0.00	U1
	4.555	-0.00	U1	85.06	U1	-142.29	U1	0.00	U1
	4.629	-0.00	U1	75.58	U1	-149.21	U1	0.00	U1
	4.704	-0.00	U1	65.63	U1	-156.13	U1	0.00	U1
	4.778	-0.00	U1	55.20	U1	-163.05	U1	0.00	U1
	4.853	-3.28	U1	44.29	U1	-169.97	U1	0.00	U1
	4.927	-12.75	U1	32.91	U1	-176.89	U1	0.00	U1
	5.002	-22.58	U1	21.06	U1	-183.81	U1	0.00	U1
	5.076	-32.76	U1	8.72	U1	-190.73	U1	0.00	U1
	5.151	-43.30	U1	-0.00	U1	-197.65	U1	0.00	U1
	5.225	-54.19	U1	-0.00	U1	-204.57	U1	0.00	U1
	5.300	-65.44	U1	-0.00	U1	-211.49	U1	0.00	U1
	5.300	-65.44	U1	-0.00	U1	-211.49	U1	0.00	U1
	5.374	-76.92	U1	-0.00	U1	-218.96	U1	0.00	U1
	5.447	-92.21	U1	-0.00	U1	-226.44	U1	0.00	U1
	5.521	-109.13	U1	-0.00	U1	-233.92	U1	0.00	U1
	5.594	-126.61	U1	-0.00	U1	-241.40	U1	0.00	U1
	5.668	-144.63	U1	-0.00	U1	-248.88	U1	0.00	U1
	5.741	-163.20	U1	-0.00	U1	-256.35	U1	0.00	U1
	5.815	-182.33	U1	-0.00	U1	-263.83	U1	0.00	U1
	5.888	-202.00	U1	-0.00	U1	-271.31	U1	0.00	U1
	5.962	-222.23	U1	-0.00	U1	-278.79	U1	0.00	U1
	6.035	-243.00	U1	-0.00	U1	-286.26	U1	0.00	U1
	6.109	-264.32	U1	-0.00	U1	-293.74	U1	0.00	U1
	6.182	-286.20	U1	-0.00	U1	-301.22	U1	0.00	U1
	6.256	-308.62	U1	-0.00	U1	-308.70	U1	0.00	U1
	6.329	-331.60	U1	-0.00	U1	-316.18	U1	0.00	U1
	6.403	-355.12	U1	-0.00	U1	-323.65	U1	0.00	U1
	6.476	-379.19	U1	-0.00	U1	-331.13	U1	0.00	U1
	6.550	-403.81	U1	-0.00	U1	-338.61	U1	0.00	U1
	6.550	-403.81	U1	-0.00	U1	-338.61	U1	0.00	U1
	6.612	-425.18	U1	-0.00	U1	-344.97	U1	0.00	U1
	6.675	-446.93	U1	-0.00	U1	-351.32	U1	0.00	U1
	6.737	-469.09	U1	-0.00	U1	-357.68	U1	0.00	U1
	6.800	-491.64	U1	-0.00	U1	-364.03	U1	0.00	U1
3	0.000	-448.80	U1	-0.00	U1	0.00	U1	335.88	U1
	0.063	-428.00	U1	-0.00	U1	0.00	U1	329.52	U1
	0.125	-407.61	U1	-0.00	U1	0.00	U1	323.16	U1
	0.188	-387.61	U1	-0.00	U1	0.00	U1	316.81	U1
	0.250	-368.01	U1	-0.00	U1	0.00	U1	310.45	U1
	0.250	-368.01	U1	-0.00	U1	0.00	U1	310.45	U1
	0.324	-345.45	U1	-0.00	U1	0.00	U1	302.97	U1
	0.397	-323.45	U1	-0.00	U1	0.00	U1	295.50	U1
	0.471	-302.00	U1	-0.00	U1	0.00	U1	288.02	U1
	0.544	-281.09	U1	-0.00	U1	0.00	U1	280.54	U1
	0.618	-260.74	U1	-0.00	U1	0.00	U1	273.06	U1
	0.691	-240.94	U1	-0.00	U1	0.00	U1	265.59	U1
	0.765	-221.68	U1	-0.00	U1	0.00	U1	258.11	U1
	0.838	-202.98	U1	-0.00	U1	0.00	U1	250.63	U1
	0.912	-184.83	U1	-0.00	U1	0.00	U1	243.15	U1
	0.985	-167.22	U1	-0.00	U1	0.00	U1	235.67	U1
	1.059	-150.17	U1	-0.00	U1	0.00	U1	228.20	U1
	1.132	-133.67	U1	-0.00	U1	0.00	U1	220.72	U1
	1.206	-117.71	U1	-0.00	U1	0.00	U1	213.24	U1
	1.279	-102.31	U1	-0.00	U1	0.00	U1	205.76	U1
	1.353	-87.45	U1	-0.00	U1	0.00	U1	198.29	U1
	1.426	-75.87	U1	-0.00	U1	0.00	U1	190.81	U1
	1.500	-65.78	U1	-0.00	U1	0.00	U1	183.33	U1
	1.500	-65.78	U1	-0.00	U1	0.00	U1	183.33	U1
	1.575	-55.94	U1	-0.00	U1	0.00	U1	176.41	U1
	1.649	-46.46	U1	-0.00	U1	0.00	U1	169.49	U1
	1.724	-37.33	U1	4.61	U1	0.00	U1	162.57	U1
	1.798	-28.56	U1	14.86	U1	0.00	U1	155.65	U1
	1.873	-20.14	U1	24.64	U1	0.00	U1	148.73	U1
	1.947	-12.08	U1	33.95	U1	0.00	U1	141.81	U1
	2.022	-4.37	U1	42.78	U1	0.00	U1	134.89	U1



2.096	-0.00	U1	51.13	U1	0.00	U1	127.97	U1
2.171	-0.00	U1	59.22	U1	0.00	U1	121.05	U1
2.245	-0.00	U1	67.29	U1	0.00	U1	114.13	U1
2.320	-0.00	U1	74.89	U1	0.00	U1	107.21	U1
2.394	-0.00	U1	82.01	U1	0.00	U1	100.29	U1
2.469	-0.00	U1	88.66	U1	0.00	U1	93.37	U1
2.543	-0.00	U1	94.83	U1	0.00	U1	86.45	U1
2.618	-0.00	U1	100.52	U1	0.00	U1	79.67	U1
2.692	-0.00	U1	105.74	U1	0.00	U1	73.28	U1
2.767	-0.00	U1	110.48	U1	0.00	U1	66.90	U1
2.841	-0.00	U1	114.75	U1	0.00	U1	60.52	U1
2.916	-0.00	U1	118.54	U1	0.00	U1	54.13	U1
2.990	-0.00	U1	121.86	U1	0.00	U1	47.75	U1
3.065	-0.00	U1	124.70	U1	0.00	U1	41.37	U1
3.139	-0.00	U1	127.06	U1	0.00	U1	34.98	U1
3.214	-0.00	U1	128.95	U1	0.00	U1	28.60	U1
3.288	-0.00	U1	130.37	U1	0.00	U1	22.22	U1
3.363	-0.00	U1	131.30	U1	0.00	U1	15.83	U1
3.437	-0.00	U1	131.77	U1	-5.98	U1	10.33	U1
3.512	-0.00	U1	131.75	U1	-12.36	U1	5.56	U1
3.586	-0.00	U1	131.26	U1	-18.75	U1	0.78	U1
3.661	-0.00	U1	130.30	U1	-25.13	U1	0.00	U1
3.735	-0.00	U1	128.86	U1	-31.52	U1	0.00	U1
3.810	-0.00	U1	126.94	U1	-37.90	U1	0.00	U1
3.884	-0.00	U1	124.55	U1	-44.28	U1	0.00	U1
3.959	-0.00	U1	121.68	U1	-50.67	U1	0.00	U1
4.033	-0.00	U1	118.34	U1	-57.05	U1	0.00	U1
4.108	-0.00	U1	114.52	U1	-63.43	U1	0.00	U1
4.182	-0.00	U1	110.23	U1	-69.82	U1	0.00	U1
4.257	-0.00	U1	105.46	U1	-76.20	U1	0.00	U1
4.331	-0.00	U1	100.21	U1	-82.58	U1	0.00	U1
4.406	-0.00	U1	94.49	U1	-88.97	U1	0.00	U1
4.480	-0.00	U1	88.30	U1	-95.35	U1	0.00	U1
4.555	-0.00	U1	81.63	U1	-101.73	U1	0.00	U1
4.629	-0.00	U1	74.48	U1	-108.12	U1	0.00	U1
4.704	-0.00	U1	66.85	U1	-114.50	U1	0.00	U1
4.778	-0.00	U1	58.76	U1	-121.14	U1	0.00	U1
4.853	-0.00	U1	50.18	U1	-128.06	U1	0.00	U1
4.927	-2.96	U1	41.13	U1	-134.98	U1	0.00	U1
5.002	-10.06	U1	31.60	U1	-141.90	U1	0.00	U1
5.076	-17.52	U1	21.60	U1	-148.82	U1	0.00	U1
5.151	-25.34	U1	11.13	U1	-155.74	U1	0.00	U1
5.225	-33.51	U1	0.17	U1	-162.66	U1	0.00	U1
5.300	-42.03	U1	-0.00	U1	-169.58	U1	0.00	U1
5.300	-42.03	U1	-0.00	U1	-169.58	U1	0.00	U1
5.374	-52.04	U1	-0.00	U1	-177.06	U1	0.00	U1
5.447	-64.98	U1	-0.00	U1	-184.54	U1	0.00	U1
5.521	-78.44	U1	-0.00	U1	-192.02	U1	0.00	U1
5.594	-92.40	U1	-0.00	U1	-199.49	U1	0.00	U1
5.668	-106.87	U1	-0.00	U1	-206.97	U1	0.00	U1
5.741	-121.85	U1	-0.00	U1	-214.45	U1	0.00	U1
5.815	-137.35	U1	-0.00	U1	-221.93	U1	0.00	U1
5.888	-153.36	U1	-0.00	U1	-229.41	U1	0.00	U1
5.962	-169.87	U1	-0.00	U1	-236.88	U1	0.00	U1
6.035	-186.90	U1	-0.00	U1	-244.36	U1	0.00	U1
6.109	-204.44	U1	-0.00	U1	-251.84	U1	0.00	U1
6.182	-222.49	U1	-0.00	U1	-259.32	U1	0.00	U1
6.256	-241.83	U1	-0.00	U1	-266.79	U1	0.00	U1
6.329	-261.73	U1	-0.00	U1	-274.27	U1	0.00	U1
6.403	-282.17	U1	-0.00	U1	-281.75	U1	0.00	U1
6.476	-303.16	U1	-0.00	U1	-289.23	U1	0.00	U1
6.550	-324.70	U1	-0.00	U1	-296.71	U1	0.00	U1
6.550	-324.70	U1	-0.00	U1	-296.71	U1	0.00	U1
6.612	-343.44	U1	-0.00	U1	-303.06	U1	0.00	U1
6.675	-362.58	U1	-0.00	U1	-309.42	U1	0.00	U1
6.737	-382.12	U1	-0.00	U1	-315.77	U1	0.00	U1
6.800	-402.06	U1	-0.00	U1	-322.13	U1	0.00	U1

4	0.000	-412.50	U1	-0.00	U1	0.00	U1	329.00	U1
	0.063	-392.13	U1	-0.00	U1	0.00	U1	322.65	U1
	0.125	-372.17	U1	-0.00	U1	0.00	U1	316.29	U1
	0.188	-352.60	U1	-0.00	U1	0.00	U1	309.94	U1
	0.250	-333.43	U1	-0.00	U1	0.00	U1	303.58	U1
	0.250	-333.43	U1	-0.00	U1	0.00	U1	303.58	U1
	0.324	-311.38	U1	-0.00	U1	0.00	U1	296.10	U1
	0.397	-289.88	U1	-0.00	U1	0.00	U1	288.62	U1
	0.471	-268.93	U1	-0.00	U1	0.00	U1	281.15	U1
	0.544	-248.54	U1	-0.00	U1	0.00	U1	273.67	U1
	0.618	-228.69	U1	-0.00	U1	0.00	U1	266.19	U1
	0.691	-209.39	U1	-0.00	U1	0.00	U1	258.71	U1
	0.765	-190.64	U1	-0.00	U1	0.00	U1	251.23	U1
	0.838	-173.09	U1	-0.00	U1	0.00	U1	243.76	U1
	0.912	-156.22	U1	-0.00	U1	0.00	U1	236.28	U1
	0.985	-139.87	U1	-0.00	U1	0.00	U1	228.80	U1
	1.059	-124.03	U1	-0.00	U1	0.00	U1	221.32	U1
	1.132	-108.70	U1	-0.00	U1	0.00	U1	213.85	U1
	1.206	-93.88	U1	-0.00	U1	0.00	U1	206.37	U1

1.279	-79.57 U1	-0.00 U1	0.00 U1	198.89 U1
1.353	-65.77 U1	-0.00 U1	0.00 U1	191.41 U1
1.426	-52.48 U1	-0.00 U1	0.00 U1	183.93 U1
1.500	-41.45 U1	-0.00 U1	0.00 U1	176.46 U1
1.500	-41.45 U1	-0.00 U1	0.00 U1	176.46 U1
1.575	-32.56 U1	0.18 U1	0.00 U1	169.54 U1
1.649	-24.02 U1	11.25 U1	0.00 U1	162.62 U1
1.724	-15.84 U1	22.19 U1	0.00 U1	155.70 U1
1.798	-8.01 U1	32.66 U1	0.00 U1	148.78 U1
1.873	-0.54 U1	42.64 U1	0.00 U1	141.86 U1
1.947	-0.00 U1	52.16 U1	0.00 U1	134.94 U1
2.022	-0.00 U1	61.19 U1	0.00 U1	128.02 U1
2.096	-0.00 U1	69.76 U1	0.00 U1	121.10 U1
2.171	-0.00 U1	77.84 U1	0.00 U1	114.18 U1
2.245	-0.00 U1	85.45 U1	0.00 U1	107.26 U1
2.320	-0.00 U1	92.59 U1	0.00 U1	100.34 U1
2.394	-0.00 U1	99.24 U1	0.00 U1	93.69 U1
2.469	-0.00 U1	105.43 U1	0.00 U1	87.31 U1
2.543	-0.00 U1	111.13 U1	0.00 U1	80.92 U1
2.618	-0.00 U1	116.37 U1	0.00 U1	74.54 U1
2.692	-0.00 U1	121.12 U1	0.00 U1	68.16 U1
2.767	-0.00 U1	125.40 U1	0.00 U1	61.77 U1
2.841	-0.00 U1	129.21 U1	0.00 U1	55.39 U1
2.916	-0.00 U1	132.54 U1	0.00 U1	49.01 U1
2.990	-0.00 U1	135.39 U1	0.00 U1	42.62 U1
3.065	-0.00 U1	137.77 U1	0.00 U1	36.24 U1
3.139	-0.00 U1	139.67 U1	0.00 U1	29.85 U1
3.214	-0.00 U1	141.10 U1	0.00 U1	23.47 U1
3.288	-0.00 U1	142.05 U1	0.00 U1	17.09 U1
3.363	-0.00 U1	142.53 U1	-4.32 U1	10.70 U1
3.437	-0.00 U1	142.53 U1	-10.70 U1	4.32 U1
3.512	-0.00 U1	142.05 U1	-17.09 U1	0.00 U1
3.586	-0.00 U1	141.10 U1	-23.47 U1	0.00 U1
3.661	-0.00 U1	139.67 U1	-29.85 U1	0.00 U1
3.735	-0.00 U1	137.77 U1	-36.24 U1	0.00 U1
3.810	-0.00 U1	135.39 U1	-42.62 U1	0.00 U1
3.884	-0.00 U1	132.54 U1	-49.01 U1	0.00 U1
3.959	-0.00 U1	129.21 U1	-55.39 U1	0.00 U1
4.033	-0.00 U1	125.40 U1	-61.77 U1	0.00 U1
4.108	-0.00 U1	121.12 U1	-68.16 U1	0.00 U1
4.182	-0.00 U1	116.37 U1	-74.54 U1	0.00 U1
4.257	-0.00 U1	111.13 U1	-80.92 U1	0.00 U1
4.331	-0.00 U1	105.43 U1	-87.31 U1	0.00 U1
4.406	-0.00 U1	99.24 U1	-93.69 U1	0.00 U1
4.480	-0.00 U1	92.59 U1	-100.34 U1	0.00 U1
4.555	-0.00 U1	85.45 U1	-107.26 U1	0.00 U1
4.629	-0.00 U1	77.84 U1	-114.18 U1	0.00 U1
4.704	-0.00 U1	69.76 U1	-121.10 U1	0.00 U1
4.778	-0.00 U1	61.19 U1	-128.02 U1	0.00 U1
4.853	-0.00 U1	52.16 U1	-134.94 U1	0.00 U1
4.927	-0.54 U1	42.64 U1	-141.86 U1	0.00 U1
5.002	-8.01 U1	32.66 U1	-148.78 U1	0.00 U1
5.076	-15.84 U1	22.19 U1	-155.70 U1	0.00 U1
5.151	-24.02 U1	11.25 U1	-162.62 U1	0.00 U1
5.225	-32.56 U1	0.18 U1	-169.54 U1	0.00 U1
5.300	-41.45 U1	-0.00 U1	-176.46 U1	0.00 U1
5.300	-41.45 U1	-0.00 U1	-176.46 U1	0.00 U1
5.374	-52.48 U1	-0.00 U1	-183.93 U1	0.00 U1
5.447	-65.77 U1	-0.00 U1	-191.41 U1	0.00 U1
5.521	-79.57 U1	-0.00 U1	-198.89 U1	0.00 U1
5.594	-93.88 U1	-0.00 U1	-206.37 U1	0.00 U1
5.668	-108.70 U1	-0.00 U1	-213.85 U1	0.00 U1
5.741	-124.03 U1	-0.00 U1	-221.32 U1	0.00 U1
5.815	-139.87 U1	-0.00 U1	-228.80 U1	0.00 U1
5.888	-156.22 U1	-0.00 U1	-236.28 U1	0.00 U1
5.962	-173.09 U1	-0.00 U1	-243.76 U1	0.00 U1
6.035	-190.64 U1	-0.00 U1	-251.23 U1	0.00 U1
6.109	-209.39 U1	-0.00 U1	-258.71 U1	0.00 U1
6.182	-228.69 U1	-0.00 U1	-266.19 U1	0.00 U1
6.256	-248.54 U1	-0.00 U1	-273.67 U1	0.00 U1
6.329	-268.93 U1	-0.00 U1	-281.15 U1	0.00 U1
6.403	-289.88 U1	-0.00 U1	-288.62 U1	0.00 U1
6.476	-311.38 U1	-0.00 U1	-296.10 U1	0.00 U1
6.550	-333.43 U1	-0.00 U1	-303.58 U1	0.00 U1
6.550	-333.43 U1	-0.00 U1	-303.58 U1	0.00 U1
6.612	-352.60 U1	-0.00 U1	-309.94 U1	0.00 U1
6.675	-372.17 U1	-0.00 U1	-316.29 U1	0.00 U1
6.737	-392.13 U1	-0.00 U1	-322.65 U1	0.00 U1
6.800	-412.50 U1	-0.00 U1	-329.00 U1	0.00 U1
5	0.000	-402.06 U1	-0.00 U1	322.13 U1
	0.063	-382.12 U1	-0.00 U1	315.77 U1
	0.125	-362.58 U1	-0.00 U1	309.42 U1
	0.188	-343.44 U1	-0.00 U1	303.06 U1
	0.250	-324.70 U1	-0.00 U1	296.71 U1
	0.250	-324.70 U1	-0.00 U1	296.71 U1
	0.324	-303.16 U1	-0.00 U1	289.23 U1

0.397	-282.17	U1	-0.00	U1	0.00	U1	281.75	U1
0.471	-261.73	U1	-0.00	U1	0.00	U1	274.27	U1
0.544	-241.83	U1	-0.00	U1	0.00	U1	266.79	U1
0.618	-222.49	U1	-0.00	U1	0.00	U1	259.32	U1
0.691	-204.44	U1	-0.00	U1	0.00	U1	251.84	U1
0.765	-186.90	U1	-0.00	U1	0.00	U1	244.36	U1
0.838	-169.87	U1	-0.00	U1	0.00	U1	236.88	U1
0.912	-153.36	U1	-0.00	U1	0.00	U1	229.41	U1
0.985	-137.35	U1	-0.00	U1	0.00	U1	221.93	U1
1.059	-121.85	U1	-0.00	U1	0.00	U1	214.45	U1
1.132	-106.87	U1	-0.00	U1	0.00	U1	206.97	U1
1.206	-92.40	U1	-0.00	U1	0.00	U1	199.49	U1
1.279	-78.44	U1	-0.00	U1	0.00	U1	192.02	U1
1.353	-64.98	U1	-0.00	U1	0.00	U1	184.54	U1
1.426	-52.04	U1	-0.00	U1	0.00	U1	177.06	U1
1.500	-42.03	U1	-0.00	U1	0.00	U1	169.58	U1
1.500	-42.03	U1	-0.00	U1	0.00	U1	169.58	U1
1.575	-33.51	U1	0.17	U1	0.00	U1	162.66	U1
1.649	-25.34	U1	11.13	U1	0.00	U1	155.74	U1
1.724	-17.52	U1	21.60	U1	0.00	U1	148.82	U1
1.798	-10.06	U1	31.60	U1	0.00	U1	141.90	U1
1.873	-2.96	U1	41.13	U1	0.00	U1	134.98	U1
1.947	-0.00	U1	50.18	U1	0.00	U1	128.06	U1
2.022	-0.00	U1	58.76	U1	0.00	U1	121.14	U1
2.096	-0.00	U1	66.85	U1	0.00	U1	114.50	U1
2.171	-0.00	U1	74.48	U1	0.00	U1	108.12	U1
2.245	-0.00	U1	81.63	U1	0.00	U1	101.73	U1
2.320	-0.00	U1	88.30	U1	0.00	U1	95.35	U1
2.394	-0.00	U1	94.49	U1	0.00	U1	88.97	U1
2.469	-0.00	U1	100.21	U1	0.00	U1	82.58	U1
2.543	-0.00	U1	105.46	U1	0.00	U1	76.20	U1
2.618	-0.00	U1	110.23	U1	0.00	U1	69.82	U1
2.692	-0.00	U1	114.52	U1	0.00	U1	63.43	U1
2.767	-0.00	U1	118.34	U1	0.00	U1	57.05	U1
2.841	-0.00	U1	121.68	U1	0.00	U1	50.67	U1
2.916	-0.00	U1	124.55	U1	0.00	U1	44.28	U1
2.990	-0.00	U1	126.94	U1	0.00	U1	37.90	U1
3.065	-0.00	U1	128.86	U1	0.00	U1	31.52	U1
3.139	-0.00	U1	130.30	U1	0.00	U1	25.13	U1
3.214	-0.00	U1	131.26	U1	-0.78	U1	18.75	U1
3.288	-0.00	U1	131.75	U1	-5.56	U1	12.36	U1
3.363	-0.00	U1	131.77	U1	-10.33	U1	5.98	U1
3.437	-0.00	U1	131.30	U1	-15.83	U1	0.00	U1
3.512	-0.00	U1	130.37	U1	-22.22	U1	0.00	U1
3.586	-0.00	U1	128.95	U1	-28.60	U1	0.00	U1
3.661	-0.00	U1	127.06	U1	-34.98	U1	0.00	U1
3.735	-0.00	U1	124.70	U1	-41.37	U1	0.00	U1
3.810	-0.00	U1	121.86	U1	-47.75	U1	0.00	U1
3.884	-0.00	U1	118.54	U1	-54.13	U1	0.00	U1
3.959	-0.00	U1	114.75	U1	-60.52	U1	0.00	U1
4.033	-0.00	U1	110.48	U1	-66.90	U1	0.00	U1
4.108	-0.00	U1	105.74	U1	-73.28	U1	0.00	U1
4.182	-0.00	U1	100.52	U1	-79.67	U1	0.00	U1
4.257	-0.00	U1	94.83	U1	-86.45	U1	0.00	U1
4.331	-0.00	U1	88.66	U1	-93.37	U1	0.00	U1
4.406	-0.00	U1	82.01	U1	-100.29	U1	0.00	U1
4.480	-0.00	U1	74.89	U1	-107.21	U1	0.00	U1
4.555	-0.00	U1	67.29	U1	-114.13	U1	0.00	U1
4.629	-0.00	U1	59.22	U1	-121.05	U1	0.00	U1
4.704	-0.00	U1	51.13	U1	-127.97	U1	0.00	U1
4.778	-4.37	U1	42.78	U1	-134.89	U1	0.00	U1
4.853	-12.08	U1	33.95	U1	-141.81	U1	0.00	U1
4.927	-20.14	U1	24.64	U1	-148.73	U1	0.00	U1
5.002	-28.56	U1	14.86	U1	-155.65	U1	0.00	U1
5.076	-37.33	U1	4.61	U1	-162.57	U1	0.00	U1
5.151	-46.46	U1	-0.00	U1	-169.49	U1	0.00	U1
5.225	-55.94	U1	-0.00	U1	-176.41	U1	0.00	U1
5.300	-65.78	U1	-0.00	U1	-183.33	U1	0.00	U1
5.300	-65.78	U1	-0.00	U1	-183.33	U1	0.00	U1
5.374	-75.87	U1	-0.00	U1	-190.81	U1	0.00	U1
5.447	-87.45	U1	-0.00	U1	-198.29	U1	0.00	U1
5.521	-102.31	U1	-0.00	U1	-205.76	U1	0.00	U1
5.594	-117.71	U1	-0.00	U1	-213.24	U1	0.00	U1
5.668	-133.67	U1	-0.00	U1	-220.72	U1	0.00	U1
5.741	-150.17	U1	-0.00	U1	-228.20	U1	0.00	U1
5.815	-167.22	U1	-0.00	U1	-235.67	U1	0.00	U1
5.888	-184.83	U1	-0.00	U1	-243.15	U1	0.00	U1
5.962	-202.98	U1	-0.00	U1	-250.63	U1	0.00	U1
6.035	-221.68	U1	-0.00	U1	-258.11	U1	0.00	U1
6.109	-240.94	U1	-0.00	U1	-265.59	U1	0.00	U1
6.182	-260.74	U1	-0.00	U1	-273.06	U1	0.00	U1
6.256	-281.09	U1	-0.00	U1	-280.54	U1	0.00	U1
6.329	-302.00	U1	-0.00	U1	-288.02	U1	0.00	U1
6.403	-323.45	U1	-0.00	U1	-295.50	U1	0.00	U1
6.476	-345.45	U1	-0.00	U1	-302.97	U1	0.00	U1
6.550	-368.01	U1	-0.00	U1	-310.45	U1	0.00	U1
6.550	-368.01	U1	-0.00	U1	-310.45	U1	0.00	U1

	6.613	-387.61 U1	-0.00 U1	-316.81 U1	0.00 U1
	6.675	-407.61 U1	-0.00 U1	-323.16 U1	0.00 U1
	6.738	-428.00 U1	-0.00 U1	-329.52 U1	0.00 U1
	6.800	-448.80 U1	-0.00 U1	-335.88 U1	0.00 U1
6	0.000	-491.64 U1	-0.00 U1	0.00 U1	364.03 U1
	0.063	-469.09 U1	-0.00 U1	0.00 U1	357.68 U1
	0.125	-446.93 U1	-0.00 U1	0.00 U1	351.32 U1
	0.188	-425.18 U1	-0.00 U1	0.00 U1	344.97 U1
	0.250	-403.81 U1	-0.00 U1	0.00 U1	338.61 U1
	0.250	-403.81 U1	-0.00 U1	0.00 U1	338.61 U1
	0.324	-379.19 U1	-0.00 U1	0.00 U1	331.13 U1
	0.397	-355.12 U1	-0.00 U1	0.00 U1	323.65 U1
	0.471	-331.60 U1	-0.00 U1	0.00 U1	316.18 U1
	0.544	-308.62 U1	-0.00 U1	0.00 U1	308.70 U1
	0.618	-286.20 U1	-0.00 U1	0.00 U1	301.22 U1
	0.691	-264.32 U1	-0.00 U1	0.00 U1	293.74 U1
	0.765	-243.00 U1	-0.00 U1	0.00 U1	286.26 U1
	0.838	-222.23 U1	-0.00 U1	0.00 U1	278.79 U1
	0.912	-202.00 U1	-0.00 U1	0.00 U1	271.31 U1
	0.985	-182.33 U1	-0.00 U1	0.00 U1	263.83 U1
	1.059	-163.20 U1	-0.00 U1	0.00 U1	256.35 U1
	1.132	-144.63 U1	-0.00 U1	0.00 U1	248.88 U1
	1.206	-126.61 U1	-0.00 U1	0.00 U1	241.40 U1
	1.279	-109.13 U1	-0.00 U1	0.00 U1	233.92 U1
	1.353	-92.21 U1	-0.00 U1	0.00 U1	226.44 U1
	1.426	-76.92 U1	-0.00 U1	0.00 U1	218.96 U1
	1.500	-65.44 U1	-0.00 U1	0.00 U1	211.49 U1
	1.500	-65.44 U1	-0.00 U1	0.00 U1	211.49 U1
	1.575	-54.19 U1	-0.00 U1	0.00 U1	204.57 U1
	1.649	-43.30 U1	-0.00 U1	0.00 U1	197.65 U1
	1.724	-32.76 U1	8.72 U1	0.00 U1	190.73 U1
	1.798	-22.58 U1	21.06 U1	0.00 U1	183.81 U1
	1.873	-12.75 U1	32.91 U1	0.00 U1	176.89 U1
	1.947	-3.28 U1	44.29 U1	0.00 U1	169.97 U1
	2.022	-0.00 U1	55.20 U1	0.00 U1	163.05 U1
	2.096	-0.00 U1	65.63 U1	0.00 U1	156.13 U1
	2.171	-0.00 U1	75.58 U1	0.00 U1	149.21 U1
	2.245	-0.00 U1	85.06 U1	0.00 U1	142.29 U1
	2.320	-0.00 U1	94.07 U1	0.00 U1	135.37 U1
	2.394	-0.00 U1	102.59 U1	0.00 U1	128.45 U1
	2.469	-0.00 U1	110.65 U1	0.00 U1	121.53 U1
	2.543	-0.00 U1	118.22 U1	0.00 U1	114.61 U1
	2.618	-0.00 U1	125.32 U1	0.00 U1	107.69 U1
	2.692	-0.00 U1	131.95 U1	0.00 U1	100.77 U1
	2.767	-0.00 U1	138.10 U1	0.00 U1	93.85 U1
	2.841	-0.00 U1	143.77 U1	0.00 U1	86.93 U1
	2.916	-0.00 U1	148.97 U1	0.00 U1	80.01 U1
	2.990	-0.00 U1	153.69 U1	0.00 U1	73.09 U1
	3.065	-0.00 U1	157.94 U1	0.00 U1	66.17 U1
	3.139	-0.00 U1	161.89 U1	0.00 U1	59.25 U1
	3.214	-0.00 U1	166.05 U1	0.00 U1	52.33 U1
	3.288	-0.00 U1	169.69 U1	0.00 U1	45.41 U1
	3.363	-0.00 U1	172.82 U1	0.00 U1	38.49 U1
	3.437	-0.00 U1	175.43 U1	0.00 U1	31.57 U1
	3.512	-0.00 U1	177.52 U1	0.00 U1	24.65 U1
	3.586	-0.00 U1	179.10 U1	0.00 U1	19.70 U1
	3.661	-0.00 U1	180.16 U1	0.00 U1	14.93 U1
	3.735	-0.00 U1	180.71 U1	-3.64 U1	10.15 U1
	3.810	-0.00 U1	180.74 U1	-10.03 U1	5.38 U1
	3.884	-0.00 U1	180.26 U1	-16.41 U1	0.60 U1
	3.959	-0.00 U1	179.26 U1	-22.79 U1	0.00 U1
	4.033	-0.00 U1	177.75 U1	-29.18 U1	0.00 U1
	4.108	-0.00 U1	175.72 U1	-35.56 U1	0.00 U1
	4.182	-0.00 U1	173.17 U1	-41.94 U1	0.00 U1
	4.257	-0.00 U1	170.11 U1	-48.33 U1	0.00 U1
	4.331	-0.00 U1	166.53 U1	-54.71 U1	0.00 U1
	4.406	-0.00 U1	162.44 U1	-61.09 U1	0.00 U1
	4.480	-0.00 U1	157.83 U1	-67.48 U1	0.00 U1
	4.555	-0.00 U1	152.71 U1	-73.86 U1	0.00 U1
	4.629	-0.00 U1	147.07 U1	-80.24 U1	0.00 U1
	4.704	-0.00 U1	140.91 U1	-86.63 U1	0.00 U1
	4.778	-0.00 U1	134.24 U1	-93.01 U1	0.00 U1
	4.853	-0.00 U1	127.05 U1	-99.91 U1	0.00 U1
	4.927	-0.00 U1	119.35 U1	-106.83 U1	0.00 U1
	5.002	-0.00 U1	111.14 U1	-113.75 U1	0.00 U1
	5.076	-0.00 U1	102.40 U1	-120.67 U1	0.00 U1
	5.151	-0.00 U1	93.15 U1	-127.59 U1	0.00 U1
	5.225	-0.00 U1	83.39 U1	-134.51 U1	0.00 U1
	5.300	-0.00 U1	73.11 U1	-141.43 U1	0.00 U1
	5.300	-0.00 U1	73.11 U1	-141.43 U1	0.00 U1
	5.374	-0.00 U1	62.44 U1	-148.90 U1	0.00 U1
	5.447	-0.00 U1	51.21 U1	-156.38 U1	0.00 U1
	5.521	-0.00 U1	39.44 U1	-163.86 U1	0.00 U1
	5.594	-0.00 U1	27.12 U1	-171.34 U1	0.00 U1
	5.668	-0.00 U1	16.72 U1	-178.81 U1	0.00 U1
	5.741	-5.76 U1	7.93 U1	-186.29 U1	0.00 U1

	5.815	-19.21 U1	-0.00 U1	-193.77 U1	0.00 U1
	5.888	-33.16 U1	-0.00 U1	-201.25 U1	0.00 U1
	5.962	-47.63 U1	-0.00 U1	-208.72 U1	0.00 U1
	6.035	-62.61 U1	-0.00 U1	-216.20 U1	0.00 U1
	6.109	-78.10 U1	-0.00 U1	-223.68 U1	0.00 U1
	6.182	-94.10 U1	-0.00 U1	-231.15 U1	0.00 U1
	6.256	-110.61 U1	-0.00 U1	-238.63 U1	0.00 U1
	6.329	-127.63 U1	-0.00 U1	-246.11 U1	0.00 U1
	6.403	-145.16 U1	-0.00 U1	-253.59 U1	0.00 U1
	6.476	-163.65 U1	-0.00 U1	-261.06 U1	0.00 U1
	6.550	-183.12 U1	-0.00 U1	-268.54 U1	0.00 U1
	6.550	-183.12 U1	-0.00 U1	-268.54 U1	0.00 U1
	6.613	-200.10 U1	-0.00 U1	-274.90 U1	0.00 U1
	6.675	-217.48 U1	-0.00 U1	-281.25 U1	0.00 U1
	6.738	-235.26 U1	-0.00 U1	-287.61 U1	0.00 U1
	6.800	-253.44 U1	-0.00 U1	-294.02 U1	0.00 U1
7	0.000	-4.73 U1	-0.00 U1	0.00 U1	37.88 U1
	0.063	-2.66 U1	-0.00 U1	0.00 U1	28.39 U1
	0.125	-1.18 U1	-0.00 U1	0.00 U1	18.91 U1
	0.188	-0.29 U1	-0.00 U1	0.00 U1	9.43 U1
	0.250	-0.00 U1	0.00 U1	0.00 U1	0.00 U1