

5-16-2008

The Usefulness of Ground Penetrating Radar in locating burials in Charity Hospital Cemetery, New Orleans

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The Usefulness of Ground Penetrating Radar in locating
burials in Charity Hospital Cemetery, New Orleans

A Thesis

Submitted to the Graduate Faculty of the
University of New Orleans
in partial fulfillment of the
requirements for degree of

Master of Science
in
Earth and Environmental Science
Geophysics

by

Monique Tashell Mitchell

B.S. University of New Orleans, 2001

May, 2008

ACKNOWLEDGEMENTS

I would like to take this opportunity to thank my committee: Dr. Mark A. Kulp and Dr. A. M. Sarwar. I would like to extend a special thanks to my major professor, Dr. Laura F. Serpa, for all of your patience, knowledge and insight.

I would like to especially thank my friends and family who I hold dear to my heart for their love, encouragement, and support. To my parents whom have given more to me than they will ever know I give the greatest thanks of all.

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ABSTRACT

The Charity Hospital Cemetery in New Orleans, Louisiana, was used as a potter's field for over 150 years. When Charity Hospital considered selling a portion of the property ground penetrating radar (GPR) and thermal infrared (TIR) data were collected in the cemetery to locate unmarked graves. The TIR data could not be used because the expert died before compiling the TIR data. Therefore, the GPR data was the sole source of subsurface information. GPR anomalies were used to excavate 3 areas where bones and hospital supplies were subsequently found, unfortunately very limited analyses were possible on the analog GPR data. The study presented here involved digitizing data and conducting a more thorough analysis of map patterns to determine whether GPR data could be used reliably to locate burials in the cemetery. The study's result indicates that GPR is a reliable source for burial detection and other anomalies in the subsurface.

Ground Penetrating Radar (GPR), Thermal Imagery (TIR), Charity Hospital, Burials, Anomalies

INTRODUCTION

The Charity Hospital Cemetery at 5050-5060 Canal Street in New Orleans, Louisiana (Fig.1) has been used as a potter's field for more than 150 years (Shenkel et al., 2007).

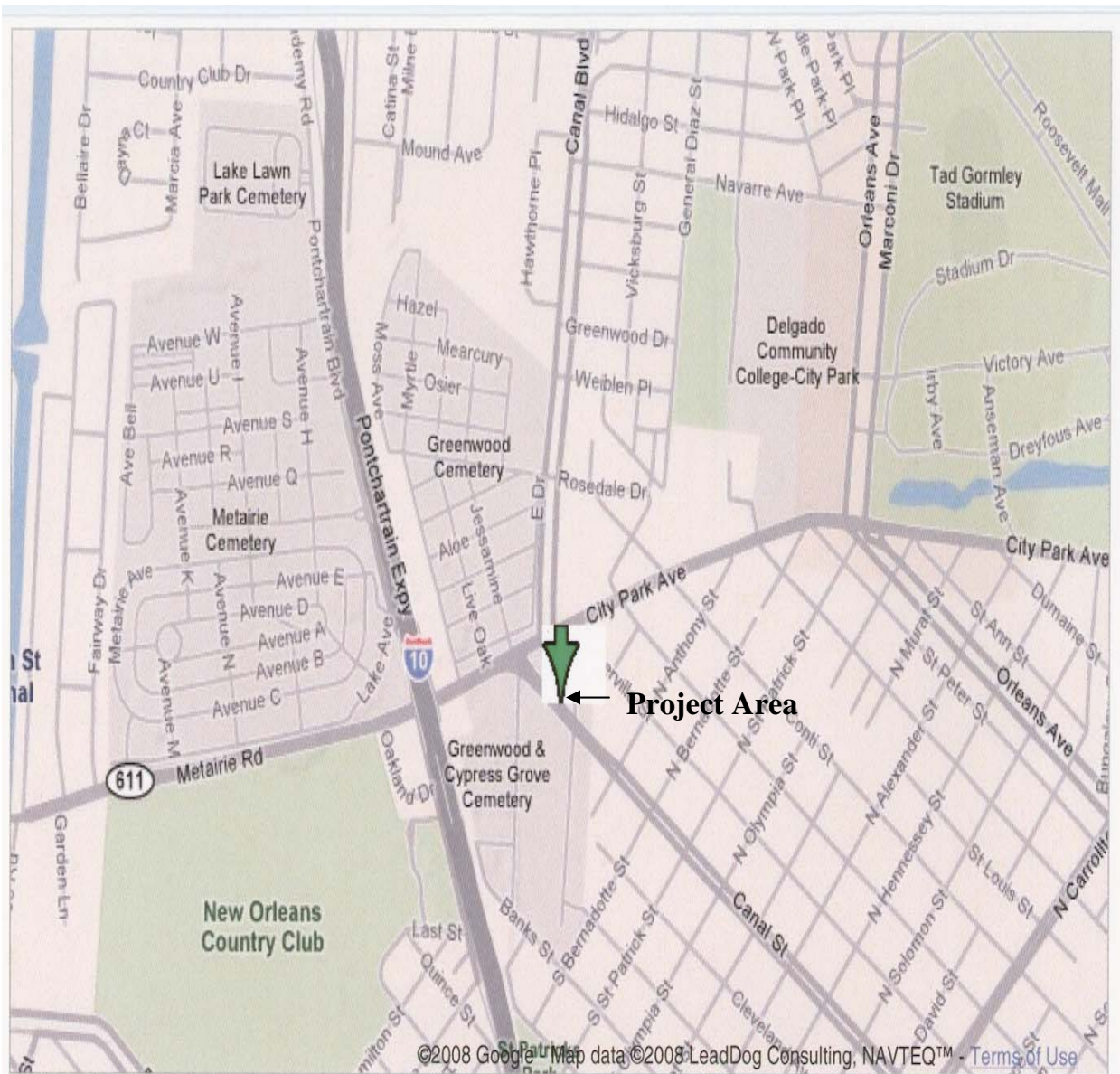


Figure 1. This is a site map showing the cemetery location and the surrounding areas of New Orleans.

In 2003, Charity Hospital considered selling a portion of the property and needed to determine if there were burials that would have to be relocated from the section under consideration. To determine whether burials were present, they asked a group of researchers, Drs. Shenkel and Serpa, and Ms. Ibanez, from the University of New Orleans whether the location of burials could be assessed using Geophysical methods such as Ground Penetrating Radar (GPR).

To assist with the archeological survey (Shenkel et al., 2007) the area was surveyed using ground penetrating radar and thermal infrared (TIR) imaging. The TIR study was not successful because the person directing that work, Bob Melia, died shortly after collecting the data (Heitger, 2005). The TIR data were consequently never fully analogued. The GPR data however were collected as analogue data and briefly examined to identify possible excavation. It was never examined for map patterns that could indicate burial patterns because the analogue data did not provide a means for correlating map patterns across the large area. For this study, the GPR data were digitized and examined for patterns that would not have been apparent from the individual analogue lines.

The analog GPR study indicated numerous anomalies were present at depths of 0.3 to 2.5 m. On the basis of the GPR data, three areas were excavated and bones and hospital supplies were found (Fig. 1), (Shenkel et al., 2007).



Figure 2. Pictures showing several areas that were excavated because of detected subsurface anomalies. On the left is a picture of human body parts in a trench approximately 4 feet deep. On the right there are burial markers that were found near the surface.

Although the excavation sites were identified on the basis of the GPR data, it was not clear whether the GPR data really added new information or that an excavation in almost any location would not have given similar results.

Thus, the goals of this study aims to examine collected GPR data, and to detect anomalies within that data. Anomalies are thought to be direct indicators of an object or disturbance in the subsurface. Once the anomalies are detected the object is to determine if those anomalies are viable burials.

Theory

GPR uses antennas as an EM source that sends pulses of electromagnetic waves into the subsurface. These waves travel into the subsurface and the depth traveled depends on the frequency of the antenna. The lower the frequency the deeper the penetration but the resolution also decreases with frequency. Antennas with approximately 200-250 megahertz frequency usually have a wavelength (depth) of about .5 to 1.0 meters (Cardimona, 2002).

The Noggin 500 GPR system was used to collect the data in this study. The Noggin 500 consists of an antenna, a rechargeable battery, and a control box that displays the data as it is collected. The system has a 250 MHz antenna that transmits and receives radar (electromagnetic) waves that penetrate the subsurface. When the waves come in contact with boundaries

between different sediments, other objects, or encounter voids in the subsurface a wave is reflected back to the surface and received and processed by the antenna. In this case the Noggin 500 has one antenna that contains both transmitting and receiving capabilities (coupled antenna). This system was mounted on a Smartcart (Fig. 3) which has a location for the control box at the top of the cart and space for the antenna located near the ground. The Smartcart provides the means for organized and steady data collection.

As the radar waves travel they come in contact with various materials and possibly objects. Certain materials can absorb waves whereas others reflect or refract waves. Changes in the dielectric constant cause waves to reflect or refract in the subsurface (Cardimona, 2002). Every material has a dielectric constant or relative permittivity.

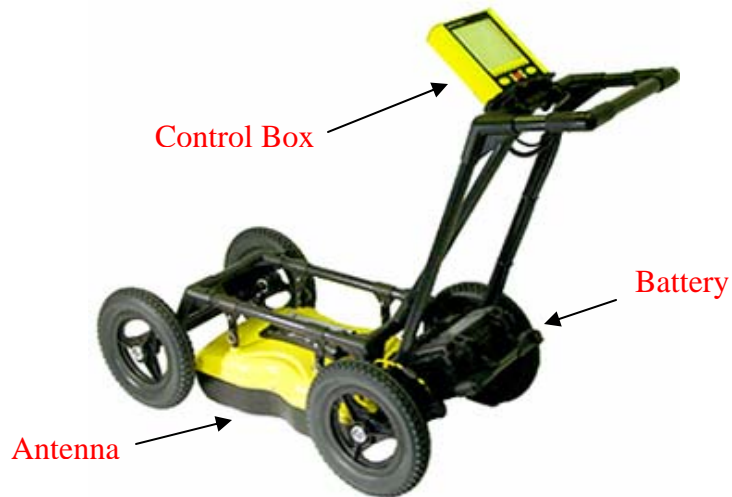


Figure 3. This is the Noggin 500 or Smartcart used in the study. This shows the control box, the antenna that transmits and receives radar waves, and how the Smartcart is an important factor in using the Noggin 500.

Dielectric properties are determined by the composition and moisture content of soils, rocks, and other materials (Hutchinson, 2002). For example, water and clays have a higher dielectric value due to the water saturation and its conductivity (Hutchinson, 2002). The dielectric constant is the factor that controls the speed of electromagnetic waves traveling through materials (Cardimona, 2002). The higher the constant, the slower the wave travels because that constant is relative to traveling space within that material. When the waves return to the antenna the travel time of the returning waves is recorded and a profile of relative amplitude of the returning energy versus travel time is produced and displayed on the control box.

BACKGROUND

The area of the Charity Hospital Cemetery has been a part of the New Orleans history since the city was originally settled by the Spanish (Shenkel et al., 2007). It was part of a travel route used by the Spaniards and Native Americans. The area that would become the cemetery varied from dry land, marsh, or swampland depending on the seasonal conditions (Shenkel et al., 2007) so it was not considered to be an ideal place for a settlement or plantation. Thus, during the mid 1700's the land was purchased with the intent of creating an infirmary for the people of New Orleans (Shenkel et al., 2007).

Since that time, the site has been used as a potter's field, primarily for the poorer white immigrants and laborers in New Orleans. During the mid 1800's, Charity Hospital purchased the cemetery and continued to use it as a potter's field but only for the patients of the hospital (Shenkel et al., 2007). Anyone that was a patient of Charity Hospital and was unclaimed or died of an epidemic disease would be buried there and, at this time, all of their patients were white (Shenkel et al., 2007).

After the Civil War blacks were accepted into the hospital as patients and were buried in the cemetery. The plan was to bury the whites at one end of the cemetery and the blacks at the other end. However, this was a potter's field and New Orleans was affected by major epidemics like yellow fever. The large numbers of deaths during the epidemics and the lack of markers or tombstones made identification and maintaining the locations of the bodies nearly impossible (Shenkel et al., 2007).

Identification of grave sites was made even more difficult when excavation of the basement for the current Charity Hospital in the 1930's produced copious amounts of material (Shenkel et al., 2007). As much as two feet of fill derived from the 1930's basement excavation was added to the cemetery surface and used for a new level of burials (Shenkel et al., 2007). The addition of a new level of unmarked graves combined with the loss of burial records over time, left little information about the identity of bodies in the cemetery or their location.

At some unknown time during the mid 1900's a fence was put up around the cemetery; a roadway was added through the center of the cemetery (Fig. 2),



Figure 4. Two rows of crepe myrtle trees border a new grass covered roadway that was once visible in the cemetery.

and a gas station was added on or near the cemetery (Shenkel et al., 2007). The roadway is now covered with grass but lines of crepe myrtle trees that bordered it are still present in the cemetery. Eventually the gas station was closed and demolished. The former location of that gas station was included in the area considered for sale during the 2003 surveys and abandoned gas tanks were excavated from the area at that time (Shenkel et al., 2007). Some small bones were identified in the dirt removed during the excavation of the gas tanks (Ibanez, pers. comm.

2003) to suggest that the gas station was built on a part of the cemetery that had been used previously for burials.

METHODS

In order to study the cemetery without disturbing the burials, non-invasive geophysical methods were used. GPR is a particularly valuable technique for archeological studies, such as the location of graves. When the proper soil conditions (Goldberg et al., 2006) are present it can produce a cross-sectional view of the subsurface without disturbing the soil. The method relies upon the transmission of electromagnetic waves. These waves are reflected back to the surface from boundaries between materials with differing electromagnetic properties (National Academy of Science, 2000).

The GPR antenna sends out and receives radar signals. As the electromagnetic pulses are sent into the ground, the elapsed time (two-way travel time) between when the pulse was sent and when it returns is recorded. The two-way travel times give information on the depth and structure of subsurface features. The depth is established by measuring the velocity of the pulses through the ground either through actual depth measurements in

areas where probing or digging are possible or through estimates based on the shape of diffracted arrivals (<http://fate.clu-in.org>, 2006). The result is a 2- or 3-dimensional representation of the subsurface based on the depth of reflected E/M waves.

For this study, a Noggin 500 GPR system with a 250 MHz antenna was rented from Sensors and Software, Inc. for approximately one week. This system is a relatively light-weight unit that could be moved around the cemetery quickly (Fig. 3) allowing a large area of coverage during a minimal amount of time. The antenna and radar source sit at the bottom of a cart and the control box that is attached with a cable and sits at the top of the cart. The source at the top of the push cart allows for instant viewing of the data as it is collected by the operator. This set up allowed us to mark in the field location of anomalies during the collection of the GPR data. When the GPR operator identified a target of interest in the field survey, a flag was used to mark the location (Fig. 5). This process was done to keep track of where anomalies in the subsurface were detected and seen on the control box simultaneously. This is relevant to the excavation of an area. The flags represent possible locations of burials.



Figure 5. Duke Heitger and the author placing flags at anomaly sites identified from the control box on GPR while surveying.

Survey Area

One goal of this study was to determine the effectiveness of GPR in detecting unmarked graves in a New Orleans cemetery. One potential problem with GPR data is its inability to clearly image sites where clays or salts are present in the soils (Goldberg et al., 2006). The Charity Hospital Cemetery was the target because the hospital needed to know the location of burials and any other subsurface anomalies in order to sell the property. However, the soils in New Orleans are often clay rich and it was not known whether this technique could be used effectively in the cemetery.

The graves were not marked, burial records were not complete, there were mass burials in some areas and there were no known consistent burial patterns (Shenkel et al., 2007). The GPR survey process was initiated by determining the dimensions of the area to be studied (Fig. 6).

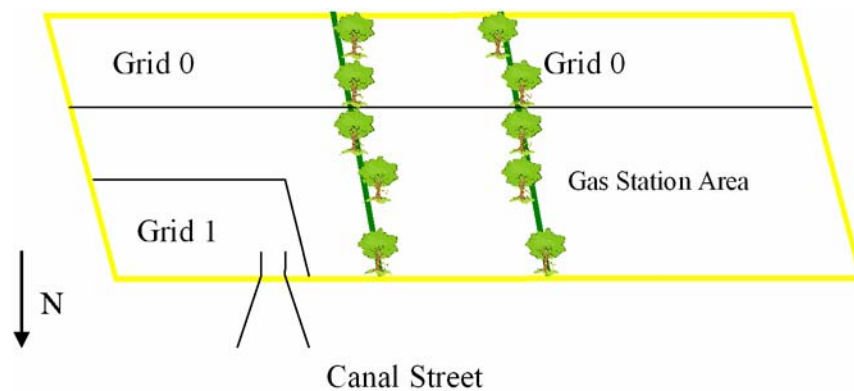


Figure 6. Site map with modifications (Shenkel et al., 2007)

An area in the front part of the cemetery was sectioned off and established a grid pattern for the data collection. The initial study area (Grid 0) was at the southern end of the part cemetery being considered for sale because that area was closest to the main cemetery and, thus, most likely to contain burials.

In Grid 0, GPR data were collected along 24 lines with 0.76 meter (m) line spacing. Each line was approximately 90 m long.

During data collection, flags were placed at every anomaly detected on the computer screen of the Noggin.

Data were collected on Grid 1 the second day of the experiment. This area consisted of 44 lines also with 0.76 m spacing. They were collected from east to west and then west to east. These line lengths varied from 8 m to approximately 90 m long because the hospital had heavy equipment parked in the western side of the cemetery and this equipment blocked that section from being surveyed with the GPR (Fig. 7).



Figure 7. Equipment parked on the western part of the cemetery. This area was excluded from the study due to this equipment.

The process of setting up Grid 0 consisted of laying out one line (for this study we used twine wrapped around stakes). Grid 0 consisted of 24 lines and once the line was marked, the GPR unit was pushed along side the line from beginning to end. Once one line was completely tracked we would move the line over 0.76 m to establish the next line. This was done a total of 68 times, 24 lines for Grid 0 and 44 lines for Grid 1. During this process if an anomaly was detected then a field assistant was instructed to flag that particular location (Fig. 5), marking the locations of GPR anomalies in the cemetery during the data collection survey. The same procedure was used to collect data on Grid 1 although we had to account for the change in line length. The lengths varied according to position of the machinery parked on the land (Fig. 7). Three more grid areas were covered to complete the survey but the additional data were collected as Tropical Storm Isadore was bearing down on the area. The continuous rains associated with the approach of that storm made the remaining data appear unusable. Essentially, no clear anomalies were recorded from areas where the ground was wet. That loss of GPR data is consistent with the observation (Reynolds, 1997) that wet soils block the penetration of the electromagnetic waves.

The software used for data collection was proprietary software that was supplied by Sensors and Software, Inc. with the GPR system. This software did not provide digital data but did allow some data manipulation while the equipment was present. Because of the impending tropical storm, the equipment was returned to Sensors and Software before significant processing work could be done. Only snapshots of each line were taken while the equipment was in New Orleans. Dr. Laura Serpa used those snapshots and the ground positions of the flags to make a diagram of the subsurface positions of GPR anomalies (Fig. 8).

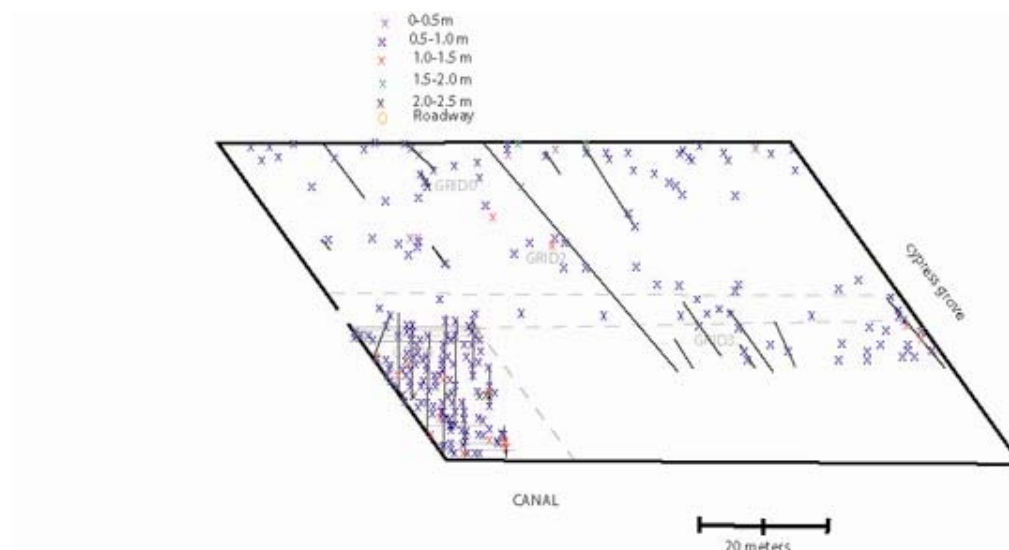


Figure 8. Diagram showing locations of anomalies detected using collected data.

That analysis provided the basis for subsequent excavations in the cemetery. However, that analysis was limited because the individual snapshots of the profiles could not be compiled accurately into a map view of the distribution of anomalies.

The shapes of events and their relative depths could not be easily extracted from the analog data.

DATA PROCESSING

In order to extract map and shape information the analog data were digitized for this study (See Appendix 1). After reviewing each snapshot (Fig. 9) of each line, two prominent horizons were identified and digitized at depths of approximately 0.3 m (H1) and 1 m (H2). These two horizons were chosen because they were the most consistent and the comparison of data from a shallow horizon with data from a deep horizon could be beneficial in showing the GPR capabilities.

Each horizon was traced by hand on a copy of the snapshot prior to digitizing (Figure 9). The x-axis represented the position in meters from east to west along each profile line followed by the GPR. The y-axis provides the south to north relative position of the profile with respect to all of the other profiles. The z-axis represents the subsurface depth to the horizons. The depths were hand digitized at every meter along each line in the survey to produce an approximate total ranging from 8 to 90 data points on each horizon. At each 1 m point the depth to the H1 and H2 horizons were measured and recorded.

These measurements were compiled into a spreadsheet for subsequent analysis (Table 1).

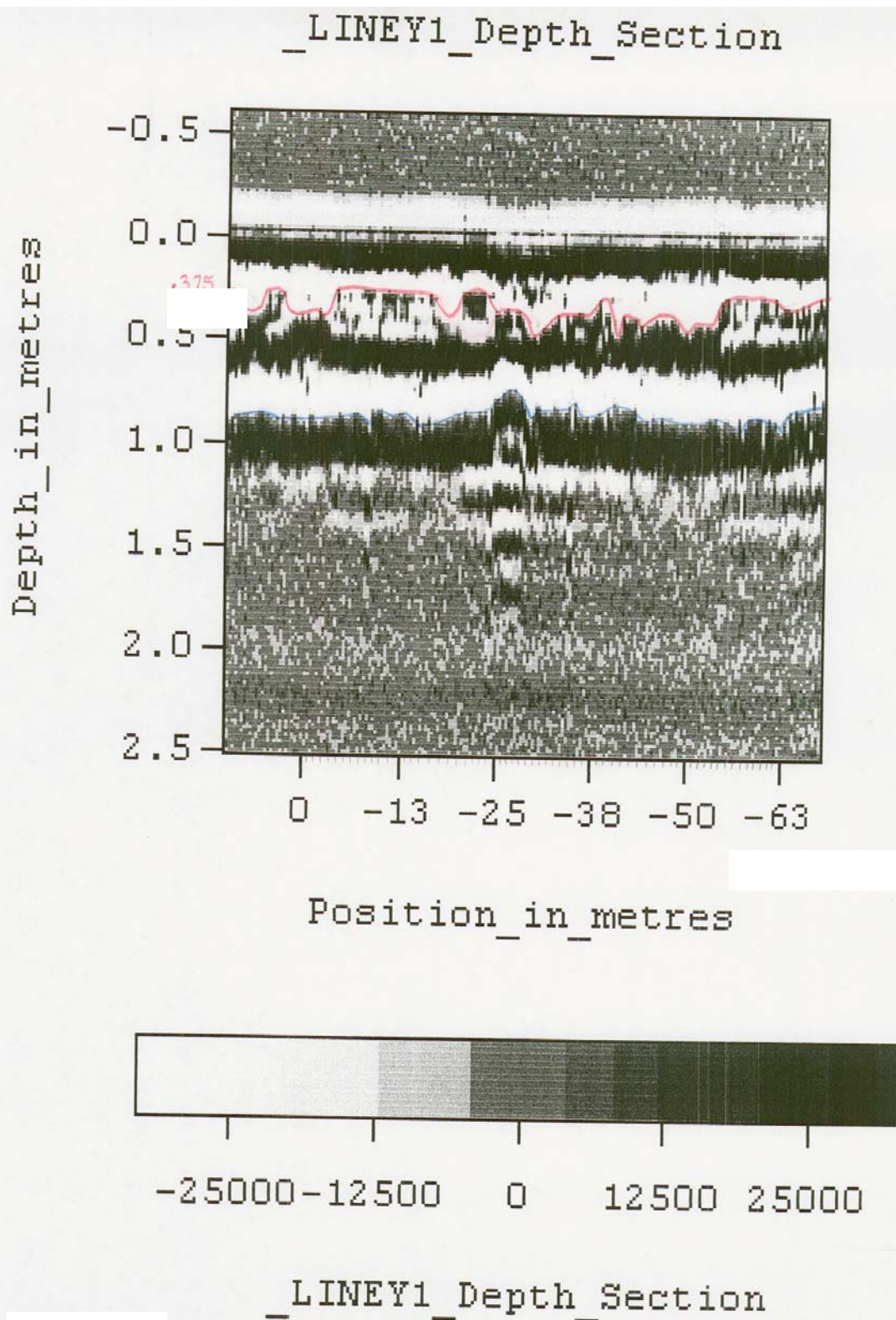


Figure 9. Snapshot of line of collected data before digitizing.

Line	Surface (y)	Distance (x)	Horizon 1 (H1)	Horizon 2 (H2)	H1 COR	H2 COR
0	0	1	0.3	0.9	0.55675	0.043254
0	0	2	0.25	0.9	0.60675	0.043254
0	0	3	0.26	0.9	0.59675	0.043254
0	0	4	0.27	0.9	0.58675	0.043254
0	0	5	0.3	0.9	0.55675	0.043254
0	0	6	0.3	0.9	0.55675	0.043254
0	0	7	0.35	0.875	0.50675	0.018254
0	0	8	0.4	0.875	0.45675	0.018254
0	0	9	0.27	0.85	0.58675	-0.00675
0	0	10	0.325	0.85	0.53175	-0.00675

Table 1: Sample of Excel Spreadsheet of data. This spreadsheet also includes the corrected horizons. The measurements in this table are meters.

Disturbances in the subsurface cause the radar waves to diffract and appear as voids or bumps within the subsurface layers (Reynolds, 1997). Surfer™ software was used to create contour maps and 3D surface maps (Figures 10-17) of the digital data in order to facilitate the analysis of the digital data. These maps provide a view of the data that could show where there were burials and other disturbances within the subsurface and help to identify patterns that might indicate how the burials were organized.

Data Plotting

In this study Surfer™ by Golden Software was used to generate the contour and surface maps. Surfer requires three columns of information in a spreadsheet, these columns represent the X, Y, and Z coordinates collected by the GPR. The collected data must be entered into a Surfer™ worksheet in a spreadsheet format. Once it is entered it should be saved in the Golden Software Data (*.DAT) format.

The data file is necessary for creating a grid file. The grid file uses the data file to produce all of the grid based maps possible by Surfer™. To create a grid file use the Grid/Data option, and open the desired data file. A grid data dialogue box opens listing the data entered in the data file. A gridding method can be selected, for this study the "inverse power" method was used because it produces viable maps from regularly spaced data.

Four grid files were created for this project. Two of the grid files corresponded to the original 2 areas analyzed and the other two were from the processed data where the mean depth of the horizon was subtracted from each line. The grid file saves in a grid format (.GRD). When creating the grid file, a grid

report can be generated for each grid. The grid file was used to create the contour maps and the surface maps for this study. The contour maps were created by selecting the map/contour map/new contour map commands, select the designated grid file (.grd) and create the contour map. A contour map was created for each original horizon and the corrected horizons (Figures 10-17). The surface maps were created also by using the grid file. Choosing the map/surface commands and selecting the designated grid file created the surface maps for the four horizons (Figures 18-21).

Map processing

Table 1 shows a sample of the spreadsheets prepared from the digital data for input into Surfer™ to calculate the necessary maps (See Appendix 1). Within this spreadsheet there are two columns labeled as "H1 COR" (Horizon 1 Corrected) and "H2 COR" (Horizon 2 Corrected). These two columns represent correction factors applied to the collected data to adjust for problems that were identified in the original data (Table 1). In particular, when the digitized data were put into Surfer™, the resulting maps had a distinct 'corrugation' or waviness parallel to the direction of the profiles (Figures 10-13). This corrugation was inferred to be due to differences in the

collection of each individual line. To remove this effect and improve the data interpretation, the average depth for each horizon was computed along an individual profile and that average was subtracted from all of the depths for the horizon on the profile. Thus, the values listed in the corrected columns of the spreadsheet were the changes in depths for anomalies relative to the average for each line. Those differences should more accurately describe the positions of anomalies along each profile and, when correlated with adjacent profiles, give a clearer picture of the subsurface distribution of anomalies (Figures 14-17).

GRID 0 HORIZON 1 WITH NO CORRECTIONS APPLIED

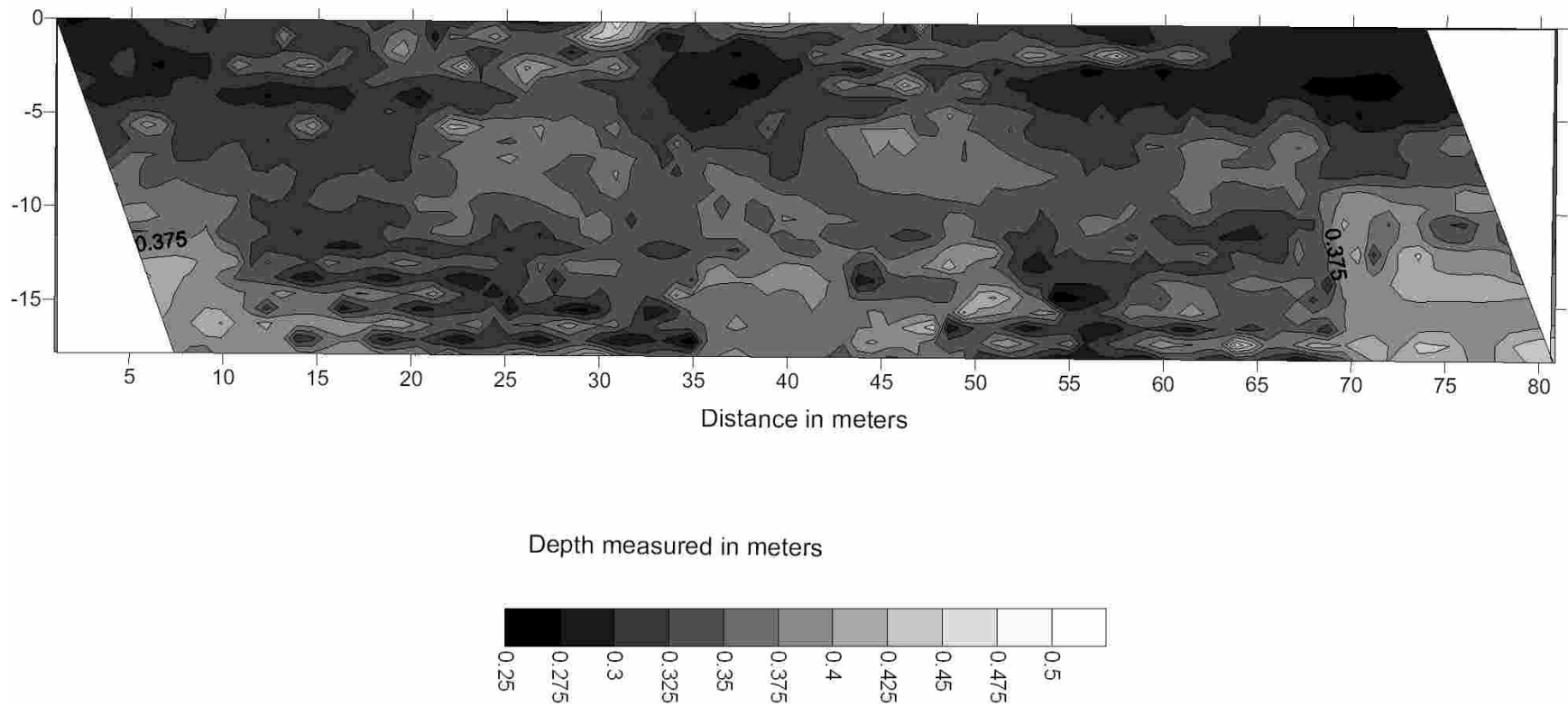


Figure 10. Contour map of original data of Grid 0 H1 with no corrections applied.

GRID 0 HORIZON 2 ORIGINAL DATA

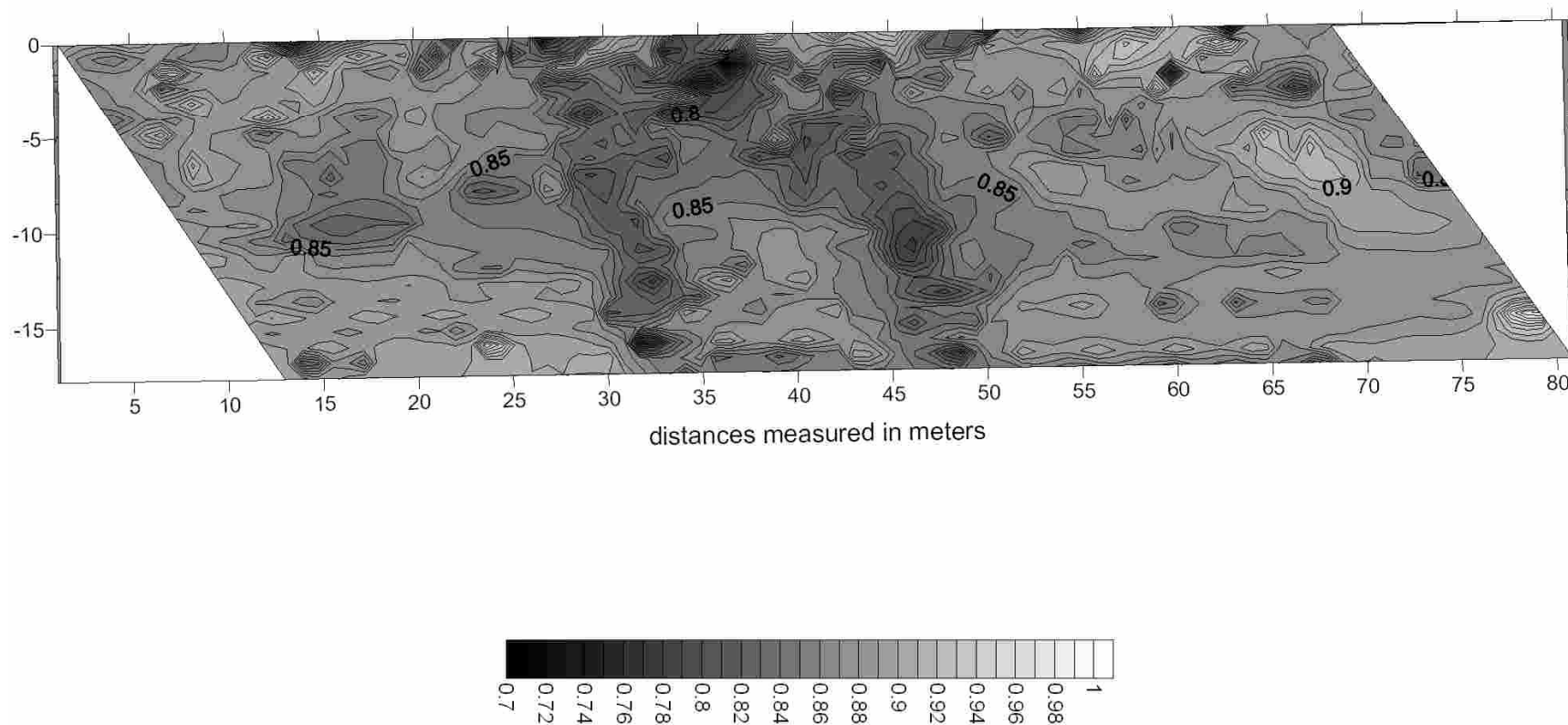


Figure 11. Contour map of original data of Grid 0 H2 with no corrections applied.

GRID 1 HORIZON 1 NO PROCESSING

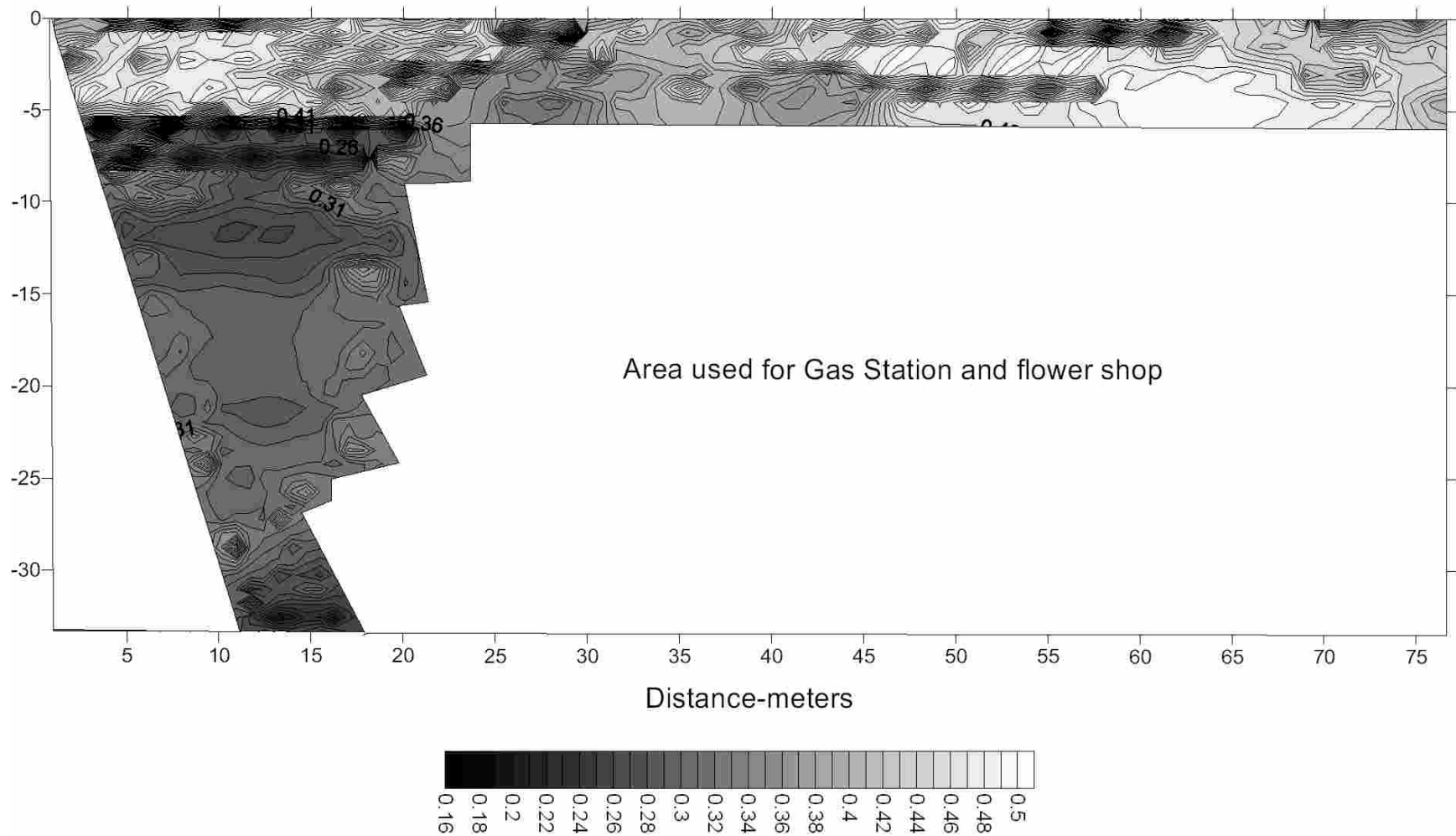


Figure 12. Contour map of original data of Grid 1 H1 with no corrections applied.

GRID 1 - HORIZON 2 WITH NO PROCESSING

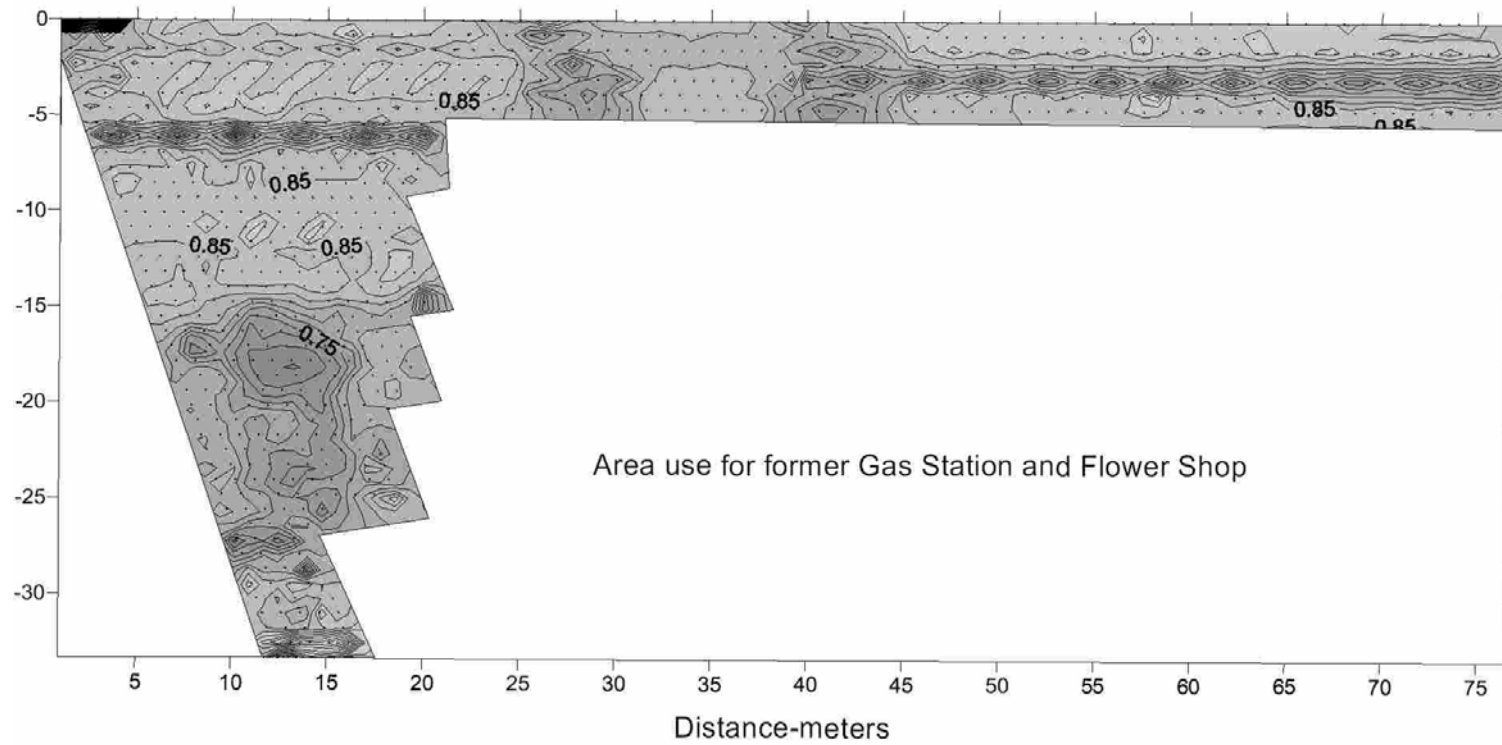
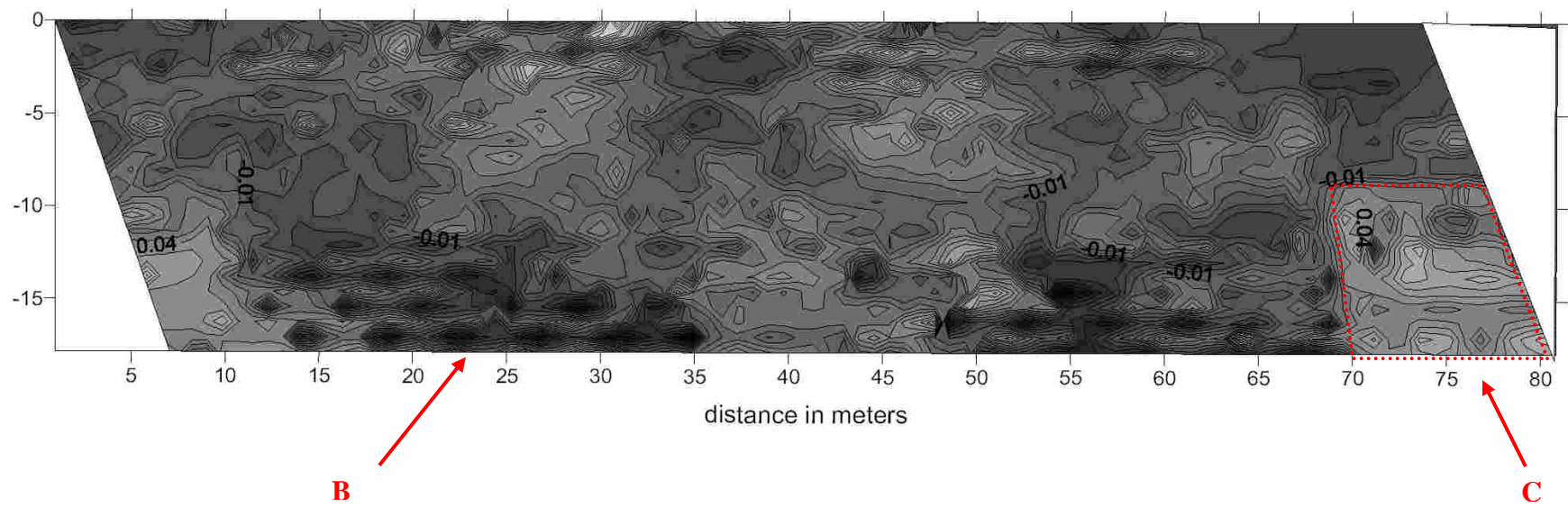


Figure 13. Contour map of original data of Grid 1 H1 with no corrections applied.

GRID 0 HORIZON 1 DEVIATIONS FROM THE MEAN DEPTH



Deviations from the mean depth measured in meters

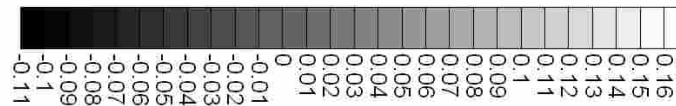
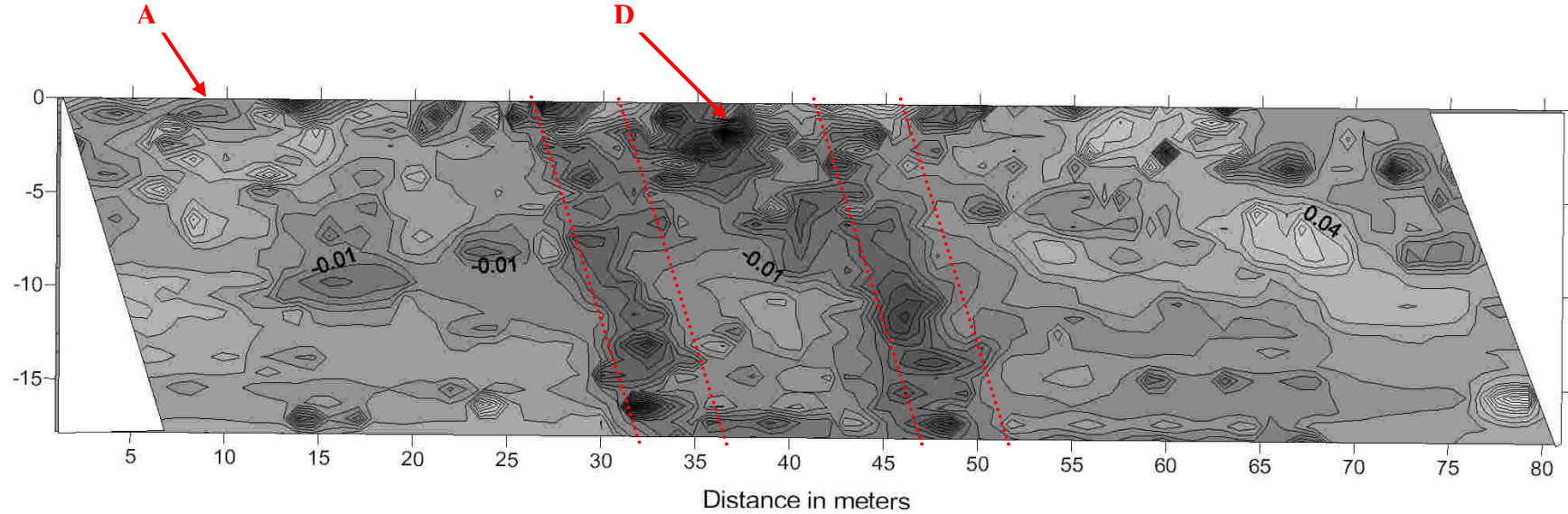


Figure 14. Contour map of original data of Grid 0 H1 with corrections applied.

GRID 0 HORIZON 2 DEVIATIONS FROM THE MEAN DEPTH



Deviations from the mean depth measured in meters

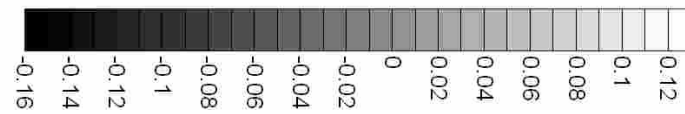


Figure 15. Contour map of original data of Grid 0 H2 with corrections applied.

GRID 1 - HORIZON 1 DEVIATION FROM THE MEAN

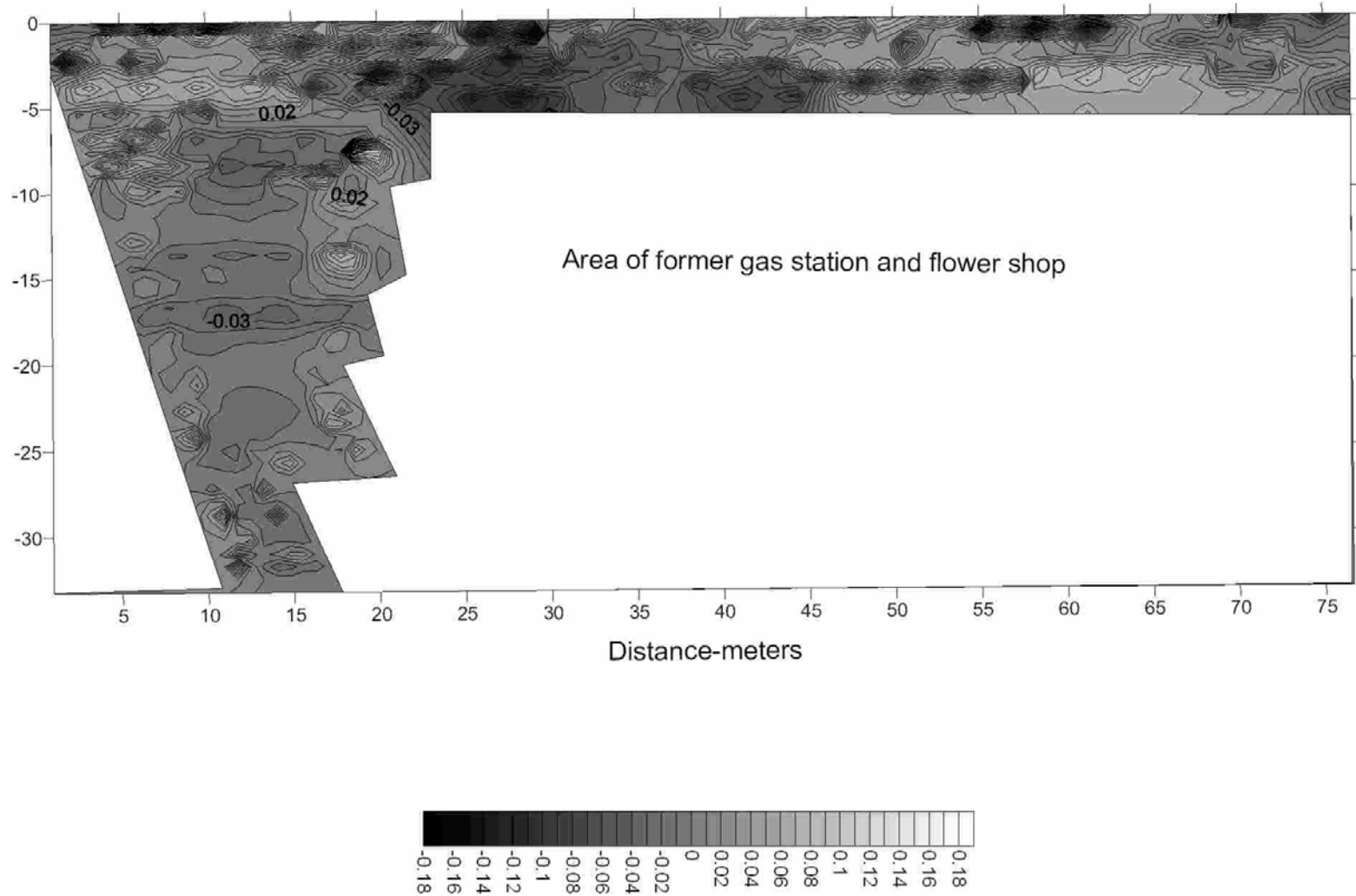


Figure 16. Contour map of corrected data of Grid 1 H1.

GRID 1 HORIZON 2 DEVIATIONS FROM THE MEAN

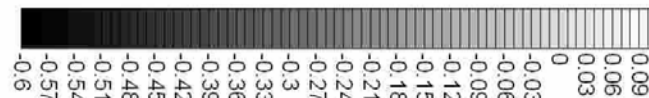
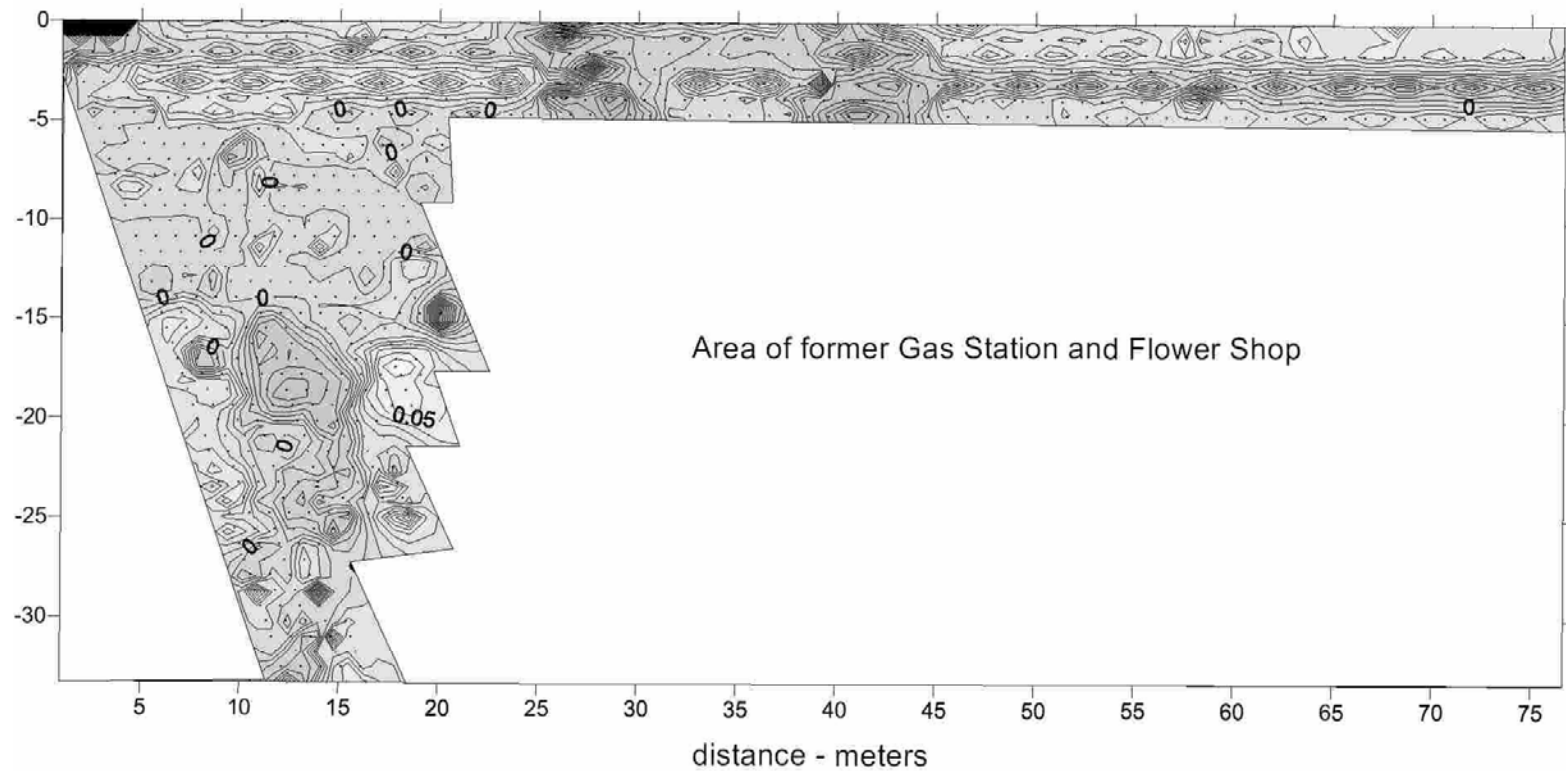


Figure 17. Contour map of corrected data of Grid 1 H2.

In addition to the observed corrugations, the mapped surfaces were often very spiky and contained numerous small variations that were not considered likely to be related to burials. The processing described above was also used to produce the 3-D surface maps shown in Figures 17 through 20.

MAP INTERPRETATION

The initial area of study (Grid 0) was at the southern part of the cemetery (Fig. 6). Grid 1 represents the northern part of the cemetery closest to Canal Street. Once all the collected data for each grid were processed and produced as a profile, it was determined that there were anomalies within the subsurface that could be direct detectors of burials or disturbances. GPR profiles show distinct changes in the layering of the subsurface when there is any kind of disturbance. Previous GPR studies (<http://www.archaeophysics.com/pubs/wy-cem.html>) have shown that burials or other disturbances commonly appear in the data as diffractions that disrupt the natural soil horizons (Fig. 9). However, we know that the upper 0.61 meters of the soil in the cemetery was not laid down in a natural pattern because it was

fill from the excavation of the hospital basement. Thus burials would be expected to be most obvious at depths below the fill, corresponding to the H2 horizon rather than the H1 horizon.

In some areas, the data collected in the Charity Hospital Cemetery showed similar subsurface patterns to that seen in Figure 22.

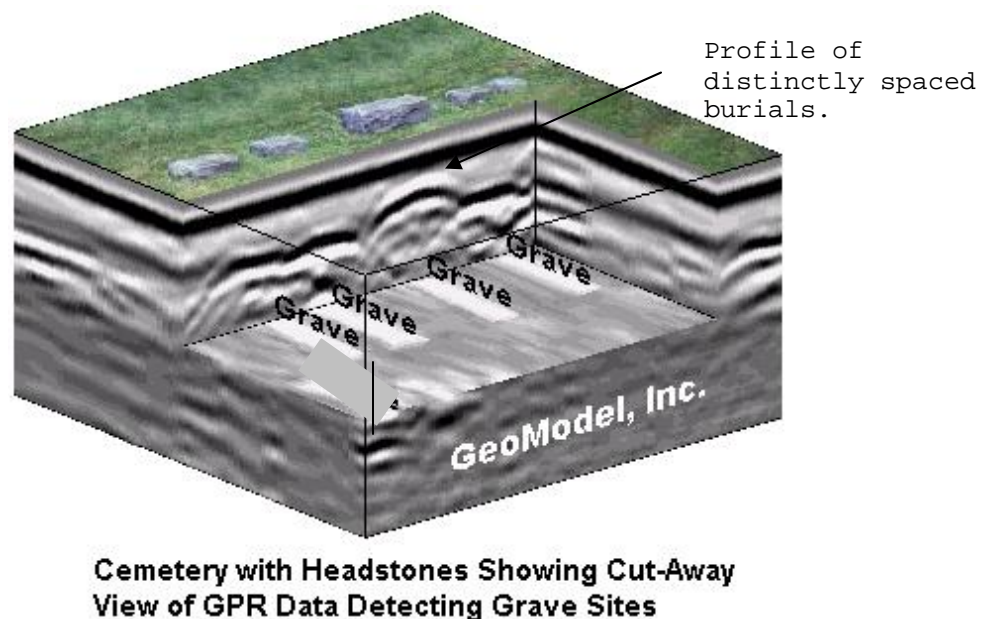


Figure 22. A computer generated example of collected GPR data modified from (geomodel.com, 2003). This shows an example of hyperboles which represent anomalies when there are disturbances in the subsurface. Hyperbola shapes represent the anomalies in the subsurface.

GRID 0 HORIZON 1 ORIGINAL DATA

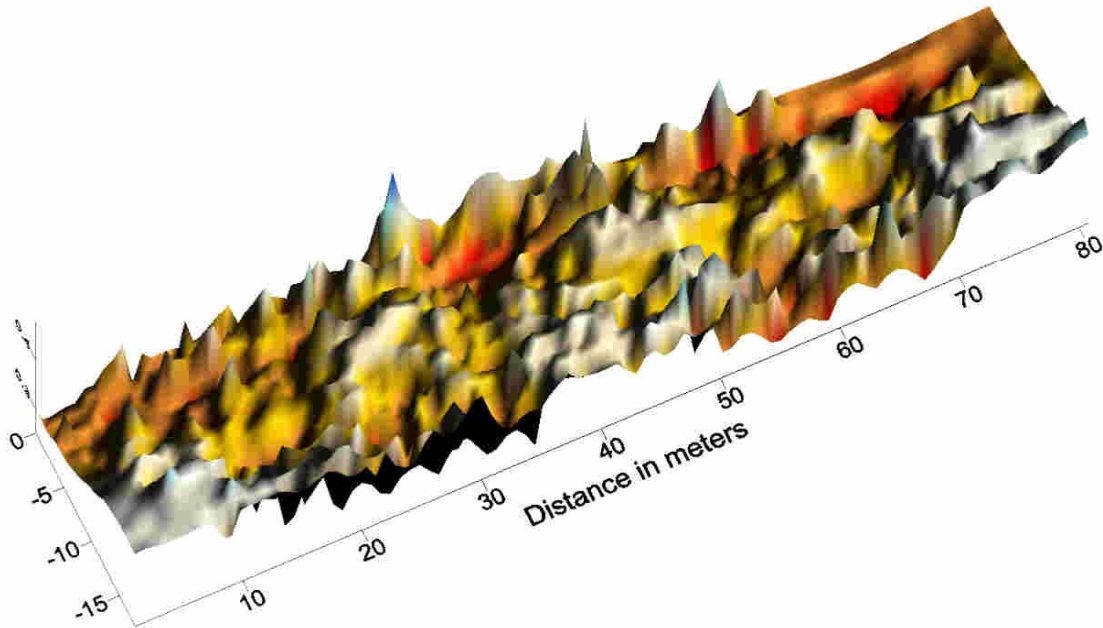


Figure 18. Surface map of original data of Grid 0 H1 horizon.

GRID 0 HORIZON 2 ORIGINAL DATA

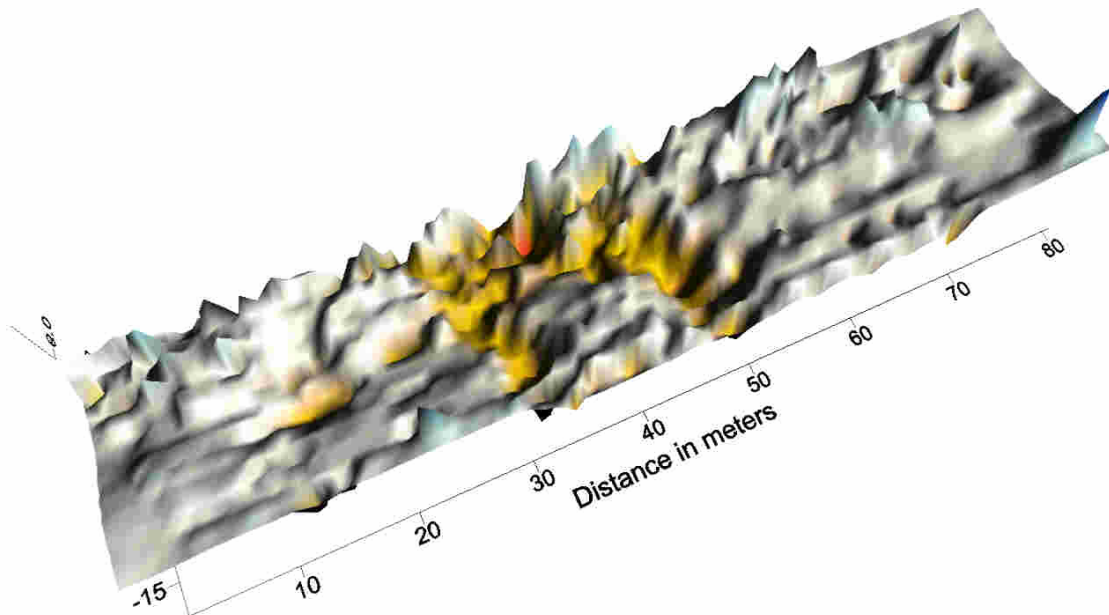


Figure 19. Surface map of original data of Grid 1 H1 horizon.

GRID 0 HORIZON 1 DEVIATION FROM THE MEAN DEPTH

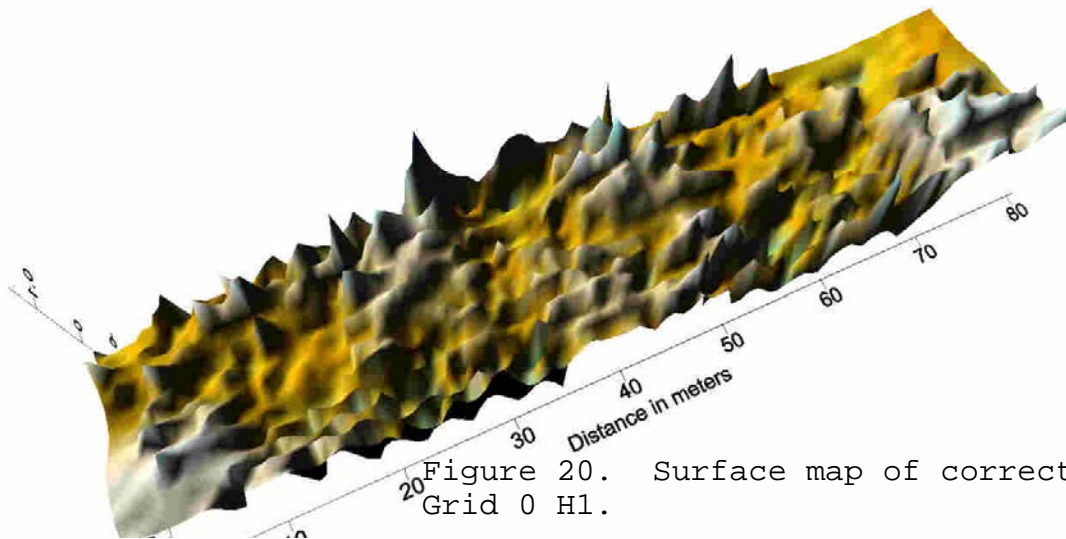


Figure 20. Surface map of corrected data of Grid 0 H1.

GRID 0 HORIZON 2 DEVIATIONS FROM THE MEAN DEPTH

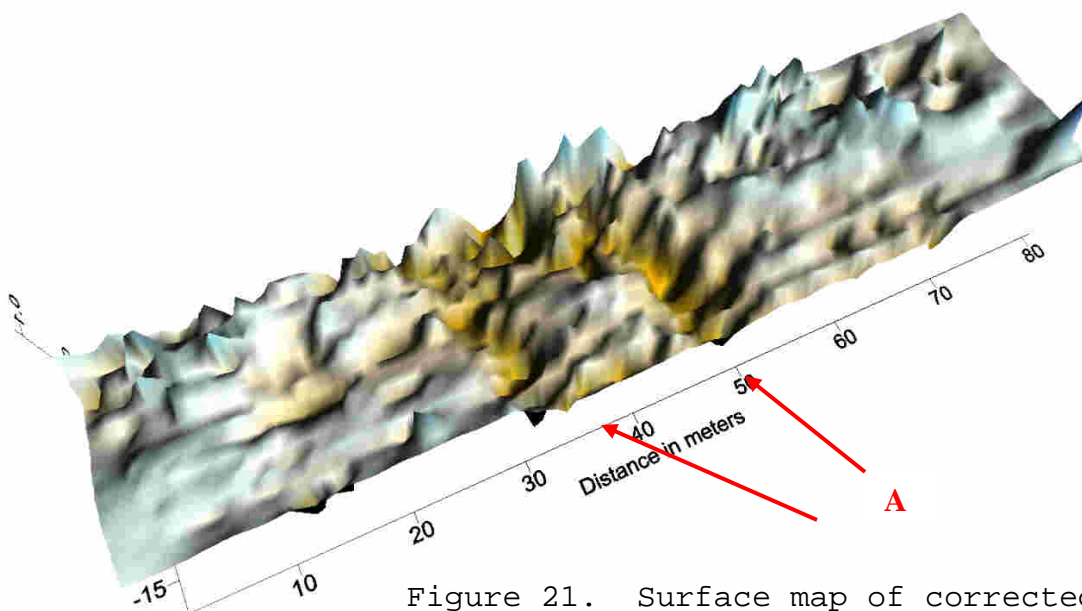


Figure 21. Surface map of corrected data of Grid 0 H2.

However, most of the data showed different reflection patterns than the example because the Charity Hospital Cemetery had been a potter's field. There were no headstones, burials were closely spaced, and coffins may have been absent in some areas. The Hospital maintained a carpentry shop to make coffins so most of the burials should have been in coffins. During epidemics however it is possible there were burials without coffins. The corners of the coffin give a more consistently spaced pattern of reflections which produces a more identifiable profile. The Charity Hospital anomalies showed more overlap (Fig. 23) in the subsurface than the example (Fig. 22), suggesting the burials were closer together and the distinctive pattern of reflections that would suggest coffins buried at uniform depths was not particularly clear. The disturbances were more prominent in some areas than others. Figures 10 and 21 show examples of GPR data across inferred burial sites in the Charity cemetery recorded during this survey.

In Figures 14-17 the contour maps show the entire study areas of Grid 0 and Grid 1 for both horizons. The most prominent features in the maps are two parallel rows of anomalies labeled 'A' in figures 15 and 21. Those anomalies correspond to the edges of the buried roadway in the cemetery. When flags were

planted in those areas during the data collection, the hard road surface was

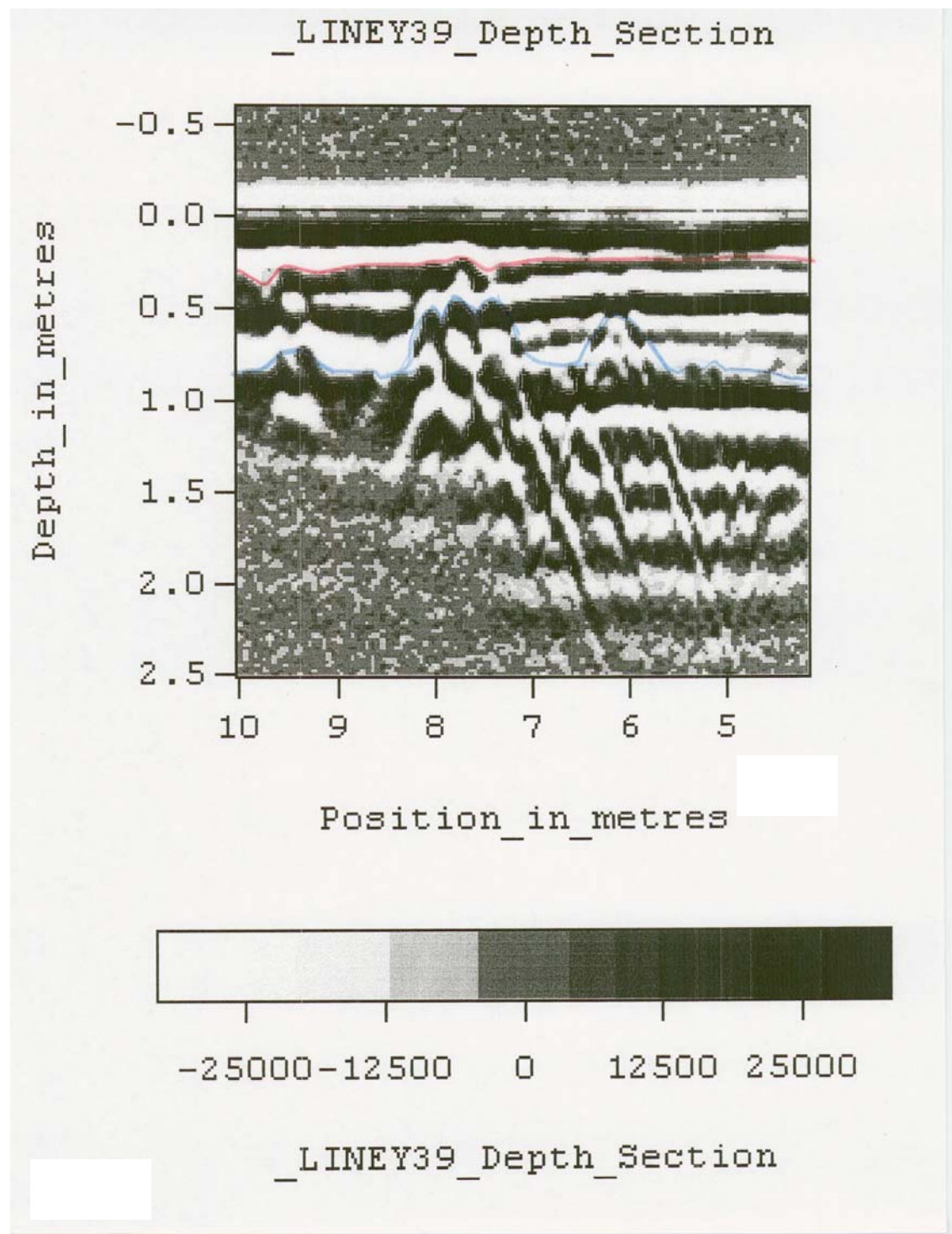


Figure 23. GPR line showing an example of overlapping burials that are close together.

encountered within a few tens of centimeters below the surface but no roadway was precisely determined. The corrected surface map (Fig. 21) shows the roadway in the H2 horizon. The roadway is not very obvious on horizon H1, the shallow horizon, but is strongly evident on H2, the deeper horizon. This suggests the road disturbance continues to a depth of approximately 1.5 m and may not be continuous with the shallow roadway. The disturbance may be an older road in the cemetery that predates the addition of fill.

In Figure 14 there are examples of distinct contours marked 'B' that show variations in depth resembling bullseyes.

The bullseyes are at least 2 m in length, which is consistent with the size of burial plots. There is also a diagonal pattern to the arrangement of the bullseyes on the diagram that could represent the burial plan of a cemetery. Many seem to be inline, whereas others are scattered through the study area.

They may be consistent with burials in a potter's field.

Scattered burials are characteristic of potter's fields.

Potter's fields are burial areas that contain unmarked graves, open graves, and possibly some marked graves. These features would show in GPR as overlapping anomalies.

In the western section of Figure 14 there is a rectangular shape, labeled 'C' that doesn't seem to contain burials. This may have been an old building prior to the cemetery or when the cemetery was still an active burial site. Mass burials would most likely show a prominent profile of overlapping burials. In Figure 15 there is an example of what mass burials might resemble, labeled 'D'. They are closely placed and seem to resemble one entity.

Figures 9 and 23 show representative lines in the data. These lines show that many anomalies begin on or near the H1 horizon and continue into the H2 horizon. Anomalies above 0.6 m (i.e. the ones in H1) would be in the fill that was deposited over the older burials. This indicates the structure or burial was added after the fill was deposited. It also supports the interpretation of overlapping burials discussed above.

Summary and Conclusions

This study did indicate that GPR is a viable method used in detecting burials and other disturbances in the subsurface at the Charity Hospital Cemetery. This result was concluded when an excavation was preformed on one of the areas where anomalies were detected. It also showed that the graves are closely spaced in some parts of the survey area and that random digging would be likely to encounter a burial site in those areas. The survey also identified an old roadway in the cemetery that predates the addition of fill. Similarly, the outline of an old building site appears to be well defined in Grid 0.

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APPENDIX 1

			Grid 0					
Distance (x) (meters)	Surface (y) (meters)	Horizon 1	Horizon 2	H1 COR	H2 COR	Manipulation Value	Angle of Cemetery 0.26565	Average
1	0	0.3	0.9	-0.02437	0.043254			
2	0	0.25	0.9	-0.07437	0.043254			
3	0	0.26	0.9	-0.06437	0.043254			
4	0	0.27	0.9	-0.05437	0.043254			
5	0	0.3	0.9	-0.02437	0.043254			
6	0	0.3	0.9	-0.02437	0.043254			
7	0	0.35	0.875	0.025635	0.018254			
8	0	0.4	0.875	0.075635	0.018254			
9	0	0.27	0.85	-0.05437	-0.00675			
10	0	0.325	0.85	0.000635	-0.00675			
11	0	0.3	0.875	-0.02437	0.018254			
12	0	0.3	0.825	-0.02437	-0.03175			
13	0	0.3	0.775	-0.02437	-0.08175			
14	0	0.3	0.75	-0.02437	-0.10675			
15	0	0.3	0.775	-0.02437	-0.08175			
16	0	0.35	0.825	0.025635	-0.03175			
17	0	0.35	0.85	0.025635	-0.00675			
18	0	0.3	0.875	-0.02437	0.018254			
19	0	0.31	0.875	-0.01437	0.018254			
20	0	0.32	0.875	-0.00437	0.018254			
21	0	0.32	0.85	-0.00437	-0.00675			
22	0	0.31	0.8	-0.01437	-0.05675			
23	0	0.275	0.875	-0.04937	0.018254			
24	0	0.35	0.85	0.025635	-0.00675			
25	0	0.275	0.85	-0.04937	-0.00675			
26	0	0.3	0.85	-0.02437	-0.00675			
27	0	0.275	0.7	-0.04937	-0.15675			
28	0	0.25	0.75	-0.07437	-0.10675			
29	0	0.3	0.8	-0.02437	-0.05675			
30	0	0.4	0.875	0.075635	0.018254			
31	0	0.5	0.9	0.175635	0.043254			
32	0	0.425	0.925	0.100635	0.068254			
33	0	0.375	0.85	0.050635	-0.00675			
34	0	0.35	0.8	0.025635	-0.05675			
35	0	0.325	0.8	0.000635	-0.05675			
36	0	0.35	0.8	0.025635	-0.05675			
37	0	0.425	0.85	0.100635	-0.00675			
38	0	0.4	0.925	0.075635	0.068254			
39	0	0.4	0.925	0.075635	0.068254			

40	0	0.425	0.875	0.100635	0.018254			
41	0	0.375	0.925	0.050635	0.068254			
42	0	0.35	0.95	0.025635	0.093254			
43	0	0.35	0.9	0.025635	0.043254			
44	0	0.4	0.925	0.075635	0.068254			
45	0	0.375	1	0.050635	0.143254			
46	0	0.275	0.9	-0.04937	0.043254			
47	0	0.425	0.875	0.100635	0.018254			
48	0	0.275	0.825	-0.04937	-0.03175			
49	0	0.3	0.775	-0.02437	-0.08175			
50	0	0.3	0.75	-0.02437	-0.10675			
51	0	0.3	0.875	-0.02437	0.018254			
52	0	0.325	0.85	0.000635	-0.00675			
53	0	0.3	0.875	-0.02437	0.018254			
54	0	0.3	0.825	-0.02437	-0.03175			
55	0	0.3	0.8	-0.02437	-0.05675			
56	0	0.275	0.85	-0.04937	-0.00675			
57	0	0.25	0.875	-0.07437	0.018254			
58	0	0.275	0.875	-0.04937	0.018254			
59	0	0.3	0.875	-0.02437	0.018254			
60	0	0.3	0.925	-0.02437	0.068254			
61	0	0.3	0.9	-0.02437	0.043254			
62	0	0.3	0.85	-0.02437	-0.00675			
63	0	0.3	0.775	-0.02437	-0.08175	0.856746032		0.324365
1.26565	-0.7745	0.3	0.9	-0.02262	0.023413			
2.26565	-0.7745	0.3	0.85	-0.02262	-0.02659			
3.26565	-0.7745	0.3	0.85	-0.02262	-0.02659			
4.26565	-0.7745	0.3	0.85	-0.02262	-0.02659			
5.26565	-0.7745	0.3	0.85	-0.02262	-0.02659			
6.26565	-0.7745	0.3	0.85	-0.02262	-0.02659			
7.26565	-0.7745	0.3	0.85	-0.02262	-0.02659			
8.26565	-0.7745	0.3	0.85	-0.02262	-0.02659			
9.26565	-0.7745	0.3	0.85	-0.02262	-0.02659			
10.26565	-0.7745	0.3	0.825	-0.02262	-0.05159			
11.26565	-0.7745	0.3	0.925	-0.02262	0.048413			
12.26565	-0.7745	0.3	0.925	-0.02262	0.048413			
13.26565	-0.7745	0.4	0.9	0.077381	0.023413			
14.26565	-0.7745	0.3	0.8	-0.02262	-0.07659			
15.26565	-0.7745	0.3	0.875	-0.02262	-0.00159			
16.26565	-0.7745	0.3	0.9	-0.02262	0.023413			
17.26565	-0.7745	0.3	0.925	-0.02262	0.048413			
18.26565	-0.7745	0.35	0.925	0.027381	0.048413			
19.26565	-0.7745	0.4	0.925	0.077381	0.048413			
20.26565	-0.7745	0.35	0.85	0.027381	-0.02659			
21.26565	-0.7745	0.275	0.8	-0.04762	-0.07659			
22.26565	-0.7745	0.4	0.875	0.077381	-0.00159			
23.26565	-0.7745	0.4	0.925	0.077381	0.048413			
24.26565	-0.7745	0.4	0.925	0.077381	0.048413			

25.26565	-0.7745	0.35	0.8	0.027381	-0.07659			
26.26565	-0.7745	0.35	0.825	0.027381	-0.05159			
27.26565	-0.7745	0.35	0.775	0.027381	-0.10159			
28.26565	-0.7745	0.375	0.825	0.052381	-0.05159			
29.26565	-0.7745	0.425	0.9	0.102381	0.023413			
30.26565	-0.7745	0.5	0.925	0.177381	0.048413			
31.26565	-0.7745	0.5	0.925	0.177381	0.048413			
32.26565	-0.7745	0.325	0.875	0.002381	-0.00159			
33.26565	-0.7745	0.275	0.775	-0.04762	-0.10159			
34.26565	-0.7745	0.275	0.775	-0.04762	-0.10159			
35.26565	-0.7745	0.325	0.85	0.002381	-0.02659			
36.26565	-0.7745	0.35	0.9	0.027381	0.023413			
37.26565	-0.7745	0.3	0.8	-0.02262	-0.07659			
38.26565	-0.7745	0.3	0.875	-0.02262	-0.00159			
39.26565	-0.7745	0.325	0.9	0.002381	0.023413			
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42.26565	-0.7745	0.3	0.875	-0.02262	-0.00159			
43.26565	-0.7745	0.3	0.9	-0.02262	0.023413			
44.26565	-0.7745	0.3	0.925	-0.02262	0.048413			
45.26565	-0.7745	0.3	0.9	-0.02262	0.023413			
46.26565	-0.7745	0.3	0.875	-0.02262	-0.00159			
47.26565	-0.7745	0.3	0.775	-0.02262	-0.10159			
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52.26565	-0.7745	0.325	0.9	0.002381	0.023413			
53.26565	-0.7745	0.325	0.9	0.002381	0.023413			
54.26565	-0.7745	0.3	0.9	-0.02262	0.023413			
55.26565	-0.7745	0.3	0.9	-0.02262	0.023413			
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57.26565	-0.7745	0.275	0.95	-0.04762	0.073413			
58.26565	-0.7745	0.275	0.925	-0.04762	0.048413			
59.26565	-0.7745	0.275	0.925	-0.04762	0.048413			
60.26565	-0.7745	0.3	0.9	-0.02262	0.023413			
61.26565	-0.7745	0.3	0.95	-0.02262	0.073413			
62.26565	-0.7745	0.3	0.95	-0.02262	0.073413			
63.26565	-0.7745	0.3	0.95	-0.02262	0.073413	0.876587302		0.322619
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2.5313	-1.549	0.3	0.875	-0.032	0.008333			
3.5313	-1.549	0.3	0.875	-0.032	0.008333			
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6.5313	-1.549	0.3	0.95	-0.032	0.083333			
7.5313	-1.549	0.3	0.95	-0.032	0.083333			
8.5313	-1.549	0.3	0.9	-0.032	0.033333			
9.5313	-1.549	0.3	0.875	-0.032	0.008333			

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11.5313	-1.549	0.3	0.875	-0.032	0.008333			
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13.5313	-1.549	0.3	0.9	-0.032	0.033333			
14.5313	-1.549	0.3	0.95	-0.032	0.083333			
15.5313	-1.549	0.3	0.9	-0.032	0.033333			
16.5313	-1.549	0.35	0.875	0.018	0.008333			
17.5313	-1.549	0.3	0.85	-0.032	-0.01667			
18.5313	-1.549	0.4	0.85	0.068	-0.01667			
19.5313	-1.549	0.4	0.875	0.068	0.008333			
20.5313	-1.549	0.325	0.8	-0.007	-0.06667			
21.5313	-1.549	0.3	0.85	-0.032	-0.01667			
22.5313	-1.549	0.3	0.875	-0.032	0.008333			
23.5313	-1.549	0.3	0.825	-0.032	-0.04167			
24.5313	-1.549	0.3	0.875	-0.032	0.008333			
25.5313	-1.549	0.325	0.85	-0.007	-0.01667			
26.5313	-1.549	0.325	0.875	-0.007	0.008333			
27.5313	-1.549	0.325	0.9	-0.007	0.033333			
28.5313	-1.549	0.275	0.9	-0.057	0.033333			
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30.5313	-1.549	0.3	0.8	-0.032	-0.06667			
31.5313	-1.549	0.3	0.8	-0.032	-0.06667			
32.5313	-1.549	0.3	0.875	-0.032	0.008333			
33.5313	-1.549	0.3	0.85	-0.032	-0.01667			
34.5313	-1.549	0.3	0.775	-0.032	-0.09167			
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36.5313	-1.549	0.275	0.7	-0.057	-0.16667			
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39.5313	-1.549	0.325	0.8	-0.007	-0.06667			
40.5313	-1.549	0.3	0.875	-0.032	0.008333			
41.5313	-1.549	0.4	0.875	0.068	0.008333			
42.5313	-1.549	0.4	0.75	0.068	-0.11667			
43.5313	-1.549	0.4	0.8	0.068	-0.06667			
44.5313	-1.549	0.4	0.8	0.068	-0.06667			
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47.5313	-1.549	0.4	0.875	0.068	0.008333			
48.5313	-1.549	0.35	0.875	0.018	0.008333			
49.5313	-1.549	0.35	0.875	0.018	0.008333			
50.5313	-1.549	0.35	0.875	0.018	0.008333			
51.5313	-1.549	0.375	0.875	0.043	0.008333			
52.5313	-1.549	0.4	0.875	0.068	0.008333			
53.5313	-1.549	0.4	0.875	0.068	0.008333			
54.5313	-1.549	0.425	0.875	0.093	0.008333			
55.5313	-1.549	0.425	0.925	0.093	0.058333			
56.5313	-1.549	0.425	0.925	0.093	0.058333			
57.5313	-1.549	0.45	0.925	0.118	0.058333			

58.5313	-1.549	0.425	0.925	0.093	0.058333			
59.5313	-1.549	0.4	0.925	0.068	0.058333			
60.5313	-1.549	0.4	0.925	0.068	0.058333			
61.5313	-1.549	0.375	0.875	0.043	0.008333			
62.5313	-1.549	0.35	0.875	0.018	0.008333			
63.5313	-1.549	0.3	0.875	-0.032	0.008333			
64.5313	-1.549	0.3	0.875	-0.032	0.008333			
65.5313	-1.549	0.3	0.875	-0.032	0.008333			
66.5313	-1.549	0.3	0.875	-0.032	0.008333			
67.5313	-1.549	0.3	0.875	-0.032	0.008333			
68.5313	-1.549	0.3	0.875	-0.032	0.008333			
69.5313	-1.549	0.3	0.9	-0.032	0.033333			
70.5313	-1.549	0.3	0.875	-0.032	0.008333			
71.5313	-1.549	0.3	0.9	-0.032	0.033333			
72.5313	-1.549	0.3	0.875	-0.032	0.008333			
73.5313	-1.549	0.3	0.875	-0.032	0.008333			
74.5313	-1.549	0.3	0.875	-0.032	0.008333			
75.5313	-1.549	0.3	0.875	-0.032	0.008333	0.866666667		0.332
1.79695	-2.3235	0.275	0.8	0	-0.05198			
2.79695	-2.3235	0.275	0.85	0	-0.00198			
3.79695	-2.3235	0.3	0.875	0.025	0.023016			
4.79695	-2.3235	0.325	0.875	0.05	0.023016			
5.79695	-2.3235	0.275	0.9	0	0.048016			
6.79695	-2.3235	0.25	0.825	-0.025	-0.02698			
7.79695	-2.3235	0.3	0.8	0.025	-0.05198			
8.79695	-2.3235	0.275	0.875	0	0.023016			
9.79695	-2.3235	0.325	0.875	0.05	0.023016			
10.79695	-2.3235	0.4	0.875	0.125	0.023016			
11.79695	-2.3235	0.4	0.9	0.125	0.048016			
12.79695	-2.3235	0.4	0.9	0.125	0.048016			
13.79695	-2.3235	0.4	0.9	0.125	0.048016			
14.79695	-2.3235	0.4	0.9	0.125	0.048016			
15.79695	-2.3235	0.35	0.9	0.075	0.048016			
16.79695	-2.3235	0.325	0.875	0.05	0.023016			
17.79695	-2.3235	0.3	0.875	0.025	0.023016			
18.79695	-2.3235	0.325	0.875	0.05	0.023016			
19.79695	-2.3235	0.35	0.875	0.075	0.023016			
20.79695	-2.3235	0.375	0.875	0.1	0.023016			
21.79695	-2.3235	0.4	0.875	0.125	0.023016			
22.79695	-2.3235	0.45	0.875	0.175	0.023016			
23.79695	-2.3235	0.3	0.875	0.025	0.023016			
24.79695	-2.3235	0.4	0.875	0.125	0.023016			
25.79695	-2.3235	0.45	0.875	0.175	0.023016			
26.79695	-2.3235	0.4	0.8	0.125	-0.05198			
27.79695	-2.3235	0.4	0.8	0.125	-0.05198			
28.79695	-2.3235	0.4	0.75	0.125	-0.10198			
29.79695	-2.3235	0.4	0.85	0.125	-0.00198			
30.79695	-2.3235	0.4	0.85	0.125	-0.00198			

31.79695	-2.3235	0.35	0.8	0.075	-0.05198			
32.79695	-2.3235	0.3	0.75	0.025	-0.10198			
33.79695	-2.3235	0.275	0.725	0	-0.12698			
34.79695	-2.3235	0.275	0.725	0	-0.12698			
35.79695	-2.3235	0.275	0.725	0	-0.12698			
36.79695	-2.3235	0.275	0.75	0	-0.10198			
37.79695	-2.3235	0.275	0.825	0	-0.02698			
38.79695	-2.3235	0.275	0.875	0	0.023016			
39.79695	-2.3235	0.275	0.85	0	-0.00198			
40.79695	-2.3235	0.275	0.75	0	-0.10198			
41.79695	-2.3235	0.275	0.825	0	-0.02698			
42.79695	-2.3235	0.275	0.875	0	0.023016			
43.79695	-2.3235	0.275	0.875	0	0.023016			
44.79695	-2.3235	0.275	0.85	0	-0.00198			
45.79695	-2.3235	0.275	0.825	0	-0.02698			
46.79695	-2.3235	0.275	0.825	0	-0.02698			
47.79695	-2.3235	0.3	0.825	0.025	-0.02698			
48.79695	-2.3235	0.3	0.875	0.025	0.023016			
49.79695	-2.3235	0.275	0.875	0	0.023016			
50.79695	-2.3235	0.275	0.875	0	0.023016			
51.79695	-2.3235	0.3	0.875	0.025	0.023016			
52.79695	-2.3235	0.3	0.875	0.025	0.023016			
53.79695	-2.3235	0.275	0.875	0	0.023016			
54.79695	-2.3235	0.275	0.875	0	0.023016			
55.79695	-2.3235	0.25	0.95	-0.025	0.098016			
56.79695	-2.3235	0.25	0.9	-0.025	0.048016			
57.79695	-2.3235	0.25	0.9	-0.025	0.048016			
58.79695	-2.3235	0.25	0.9	-0.025	0.048016			
59.79695	-2.3235	0.25	0.75	-0.025	-0.10198			
60.79695	-2.3235	0.275	0.875	0	0.023016			
61.79695	-2.3235	0.275	0.9	0	0.048016			
62.79695	-2.3235	0.275	0.925	0	0.073016			
63.79695	-2.3235	0.275	0.925	0	0.073016	0.851984127		0.275
2.0626	-3.098	0.4	0.875	-0.4875	0.875			
3.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
4.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
5.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
6.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
7.0626	-3.098	0.3	0.95	-0.5875	0.0625			
8.0626	-3.098	0.3	0.95	-0.5875	0.0625			
9.0626	-3.098	0.3	0.9	-0.5875	0.0125			
10.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
11.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
12.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
13.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
14.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
15.0626	-3.098	0.3	0.95	-0.5875	0.0625			
16.0626	-3.098	0.3	0.875	-0.5875	-0.0125			

17.0626	-3.098	0.325	0.875	-0.5625	-0.0125			
18.0626	-3.098	0.35	0.875	-0.5375	-0.0125			
19.0626	-3.098	0.35	0.875	-0.5375	-0.0125			
20.0626	-3.098	0.325	0.875	-0.5625	-0.0125			
21.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
22.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
23.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
24.0626	-3.098	0.325	0.875	-0.5625	-0.0125			
25.0626	-3.098	0.35	0.875	-0.5375	-0.0125			
26.0626	-3.098	0.4	0.875	-0.4875	-0.0125			
27.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
28.0626	-3.098	0.3	0.85	-0.5875	-0.0375			
29.0626	-3.098	0.3	0.825	-0.5875	-0.0625			
30.0626	-3.098	0.3	0.825	-0.5875	-0.0625			
31.0626	-3.098	0.3	0.85	-0.5875	-0.0375			
32.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
33.0626	-3.098	0.275	0.9	-0.6125	0.0125			
34.0626	-3.098	0.275	0.9	-0.6125	0.0125			
35.0626	-3.098	0.275	0.9	-0.6125	0.0125			
36.0626	-3.098	0.25	0.775	-0.6375	-0.1125			
37.0626	-3.098	0.25	0.8	-0.6375	-0.0875			
38.0626	-3.098	0.25	0.8	-0.6375	-0.0875			
39.0626	-3.098	0.275	0.8	-0.6125	-0.0875			
40.0626	-3.098	0.325	0.9	-0.5625	0.0125			
41.0626	-3.098	0.325	0.9	-0.5625	0.0125			
42.0626	-3.098	0.35	0.775	-0.5375	-0.1125			
43.0626	-3.098	0.4	0.775	-0.4875	-0.1125			
44.0626	-3.098	0.4	0.825	-0.4875	-0.0625			
45.0626	-3.098	0.4	0.85	-0.4875	-0.0375			
46.0626	-3.098	0.45	0.9	-0.4375	0.0125			
47.0626	-3.098	0.4	0.875	-0.4875	-0.0125			
48.0626	-3.098	0.275	0.875	-0.6125	-0.0125			
49.0626	-3.098	0.425	0.9	-0.4625	0.0125			
50.0626	-3.098	0.4	0.9	-0.4875	0.0125			
51.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
52.0626	-3.098	0.275	0.825	-0.6125	-0.0625			
53.0626	-3.098	0.275	0.9	-0.6125	0.0125			
54.0626	-3.098	0.275	0.9	-0.6125	0.0125			
55.0626	-3.098	0.3	0.85	-0.5875	-0.0375			
56.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
57.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
58.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
59.0626	-3.098	0.3	0.95	-0.5875	0.0625			
60.0626	-3.098	0.275	0.9	-0.6125	0.0125			
61.0626	-3.098	0.275	0.9	-0.6125	0.0125			
62.0626	-3.098	0.3	0.875	-0.5875	-0.0125			
63.0626	-3.098	0.3	0.825	-0.5875	-0.0625			
64.0626	-3.098	0.275	0.825	-0.6125	-0.0625			

65.0626	-3.098	0.275	0.8	-0.6125	-0.0875			
66.0626	-3.098	0.275	0.75	-0.6125	-0.1375			
67.0626	-3.098	0.275	0.8	-0.6125	-0.0875			
68.0626	-3.098	0.25	0.875	-0.6375	-0.0125			
69.0626	-3.098	0.25	0.9	-0.6375	0.0125			
70.0626	-3.098	0.25	0.9	-0.6375	0.0125			
71.0626	-3.098	0.25	0.85	-0.6375	-0.0375			
72.0626	-3.098	0.25	0.75	-0.6375	-0.1375			
73.0626	-3.098	0.275	0.8	-0.6125	-0.0875			
74.0626	-3.098	0.275	0.85	-0.6125	-0.0375			
75.0626	-3.098	0.275	0.95	-0.6125	0.0625			
76.0626	-3.098	0.275	0.9	-0.6125	0.0125	0.8875		0.3375
2.32825	-3.8725	0.275	0.825	0.325	0.875			
3.32825	-3.8725	0.275	0.825	0.325	0.875			
4.32825	-3.8725	0.275	0.825	0.325	0.875			
5.32825	-3.8725	0.275	0.825	0.325	0.875			
6.32825	-3.8725	0.275	0.825	0.325	0.875			
7.32825	-3.8725	0.3	0.85	0.35	0.9			
8.32825	-3.8725	0.3	0.875	0.35	0.925			
9.32825	-3.8725	0.3	0.9	0.35	0.95			
10.32825	-3.8725	0.275	0.9	0.325	0.95			
11.32825	-3.8725	0.275	0.925	0.325	0.975			
12.32825	-3.8725	0.25	0.95	0.3	1			
13.32825	-3.8725	0.25	0.925	0.3	0.975			
14.32825	-3.8725	0.25	0.875	0.3	0.925			
15.32825	-3.8725	0.275	0.85	0.325	0.9			
16.32825	-3.8725	0.275	0.85	0.325	0.9			
17.32825	-3.8725	0.3	0.825	0.35	0.875			
18.32825	-3.8725	0.275	0.8	0.325	0.85			
19.32825	-3.8725	0.25	0.9	0.3	0.95			
20.32825	-3.8725	0.25	0.9	0.3	0.95			
21.32825	-3.8725	0.3	0.85	0.35	0.9			
22.32825	-3.8725	0.3	0.85	0.35	0.9			
23.32825	-3.8725	0.3	0.85	0.35	0.9			
24.32825	-3.8725	0.3	0.85	0.35	0.9			
25.32825	-3.8725	0.3	0.85	0.35	0.9			
26.32825	-3.8725	0.325	0.85	0.375	0.9			
27.32825	-3.8725	0.325	0.8	0.375	0.85			
28.32825	-3.8725	0.35	0.775	0.4	0.825			
29.32825	-3.8725	0.35	0.75	0.4	0.8			
30.32825	-3.8725	0.35	0.8	0.4	0.85			
31.32825	-3.8725	0.3	0.8	0.35	0.85			
32.32825	-3.8725	0.3	0.8	0.35	0.85			
33.32825	-3.8725	0.3	0.75	0.35	0.8			
34.32825	-3.8725	0.3	0.725	0.35	0.775			
35.32825	-3.8725	0.3	0.75	0.35	0.8			
36.32825	-3.8725	0.3	0.8	0.35	0.85			
37.32825	-3.8725	0.3	0.8	0.35	0.85			

38.32825	-3.8725	0.3	0.85	0.35	0.9			
39.32825	-3.8725	0.3	0.9	0.35	0.95			
40.32825	-3.8725	0.3	0.875	0.35	0.925			
41.32825	-3.8725	0.3	0.85	0.35	0.9			
42.32825	-3.8725	0.3	0.85	0.35	0.9			
43.32825	-3.8725	0.3	0.85	0.35	0.9			
44.32825	-3.8725	0.3	0.85	0.35	0.9			
45.32825	-3.8725	0.3	0.85	0.35	0.9			
46.32825	-3.8725	0.3	0.85	0.35	0.9			
47.32825	-3.8725	0.3	0.85	0.35	0.9			
48.32825	-3.8725	0.3	0.85	0.35	0.9			
49.32825	-3.8725	0.3	0.85	0.35	0.9			
50.32825	-3.8725	0.3	0.85	0.35	0.9			
51.32825	-3.8725	0.3	0.85	0.35	0.9			
52.32825	-3.8725	0.275	0.875	0.325	0.925			
53.32825	-3.8725	0.275	0.875	0.325	0.925			
54.32825	-3.8725	0.275	0.875	0.325	0.925			
55.32825	-3.8725	0.275	0.875	0.325	0.925			
56.32825	-3.8725	0.275	0.875	0.325	0.925			
57.32825	-3.8725	0.275	0.875	0.325	0.925			
58.32825	-3.8725	0.275	0.85	0.325	0.9			
59.32825	-3.8725	0.275	0.85	0.325	0.9			
60.32825	-3.8725	0.275	0.875	0.325	0.925			
61.32825	-3.8725	0.275	0.875	0.325	0.925			
62.32825	-3.8725	0.275	0.875	0.325	0.925			
63.32825	-3.8725	0.275	0.875	0.325	0.925			
64.32825	-3.8725	0.275	0.875	0.325	0.925	-0.05		0.290079
2.5939	-4.647	0.325	0.875	-0.53	0.02			
3.5939	-4.647	0.3	0.875	-0.555	0.02			
4.5939	-4.647	0.3	0.875	-0.555	0.02			
5.5939	-4.647	0.3	0.95	-0.555	0.095			
6.5939	-4.647	0.3	0.95	-0.555	0.095			
7.5939	-4.647	0.3	0.875	-0.555	0.02			
8.5939	-4.647	0.3	0.875	-0.555	0.02			
9.5939	-4.647	0.3	0.875	-0.555	0.02			
10.5939	-4.647	0.3	0.875	-0.555	0.02			
11.5939	-4.647	0.325	0.825	-0.53	-0.03			
12.5939	-4.647	0.325	0.775	-0.53	-0.08			
13.5939	-4.647	0.3	0.875	-0.555	0.02			
14.5939	-4.647	0.275	0.875	-0.58	0.02			
15.5939	-4.647	0.3	0.875	-0.555	0.02			
16.5939	-4.647	0.275	0.875	-0.58	0.02			
17.5939	-4.647	0.325	0.875	-0.53	0.02			
18.5939	-4.647	0.35	0.875	-0.505	0.02			
19.5939	-4.647	0.325	0.875	-0.53	0.02			
20.5939	-4.647	0.275	0.875	-0.58	0.02			
21.5939	-4.647	0.275	0.875	-0.58	0.02			
22.5939	-4.647	0.275	0.85	-0.58	-0.005			

23.5939	-4.647	0.275	0.85	-0.58	-0.005			
24.5939	-4.647	0.325	0.875	-0.53	0.02			
25.5939	-4.647	0.3	0.85	-0.555	-0.005			
26.5939	-4.647	0.3	0.85	-0.555	-0.005			
27.5939	-4.647	0.325	0.875	-0.53	0.02			
28.5939	-4.647	0.35	0.875	-0.505	0.02			
29.5939	-4.647	0.325	0.85	-0.53	-0.005			
30.5939	-4.647	0.3	0.85	-0.555	-0.005			
31.5939	-4.647	0.3	0.8	-0.555	-0.055			
32.5939	-4.647	0.35	0.875	-0.505	0.02			
33.5939	-4.647	0.3	0.875	-0.555	0.02			
34.5939	-4.647	0.275	0.85	-0.58	-0.005			
35.5939	-4.647	0.25	0.825	-0.605	-0.03			
36.5939	-4.647	0.275	0.8	-0.58	-0.055			
37.5939	-4.647	0.3	0.825	-0.555	-0.03			
38.5939	-4.647	0.325	0.825	-0.53	-0.03			
39.5939	-4.647	0.35	0.8	-0.505	-0.055			
40.5939	-4.647	0.3	0.8	-0.555	-0.055			
41.5939	-4.647	0.275	0.8	-0.58	-0.055			
42.5939	-4.647	0.25	0.75	-0.605	-0.105			
43.5939	-4.647	0.25	0.775	-0.605	-0.08			
44.5939	-4.647	0.275	0.85	-0.58	-0.005			
45.5939	-4.647	0.325	0.85	-0.53	-0.005			
46.5939	-4.647	0.35	0.85	-0.505	-0.005			
47.5939	-4.647	0.375	0.85	-0.48	-0.005			
48.5939	-4.647	0.4	0.85	-0.455	-0.005			
49.5939	-4.647	0.375	0.85	-0.48	-0.005			
50.5939	-4.647	0.375	0.875	-0.48	0.02			
51.5939	-4.647	0.35	0.9	-0.505	0.045			
52.5939	-4.647	0.35	0.875	-0.505	0.02			
53.5939	-4.647	0.325	0.85	-0.53	-0.005			
54.5939	-4.647	0.3	0.8	-0.555	-0.055			
55.5939	-4.647	0.275	0.8	-0.58	-0.055			
56.5939	-4.647	0.35	0.9	-0.505	0.045			
57.5939	-4.647	0.275	0.8	-0.58	-0.055			
58.5939	-4.647	0.35	0.875	-0.505	0.02			
59.5939	-4.647	0.325	0.875	-0.53	0.02			
60.5939	-4.647	0.275	0.875	-0.58	0.02			
61.5939	-4.647	0.35	0.875	-0.505	0.02			
62.5939	-4.647	0.275	0.875	-0.58	0.02			
63.5939	-4.647	0.275	0.875	-0.58	0.02			
64.5939	-4.647	0.275	0.875	-0.58	0.02			
65.5939	-4.647	0.3	0.875	-0.555	0.02			
66.5939	-4.647	0.35	0.875	-0.505	0.02			
67.5939	-4.647	0.325	0.875	-0.53	0.02			
68.5939	-4.647	0.25	0.85	-0.605	-0.005			
69.5939	-4.647	0.3	0.85	-0.555	-0.005			
70.5939	-4.647	0.25	0.85	-0.605	-0.005			

71.5939	-4.647	0.275	0.875	-0.58	0.02			
72.5939	-4.647	0.275	0.875	-0.58	0.02			
73.5939	-4.647	0.275	0.875	-0.58	0.02			
74.5939	-4.647	0.275	0.8	-0.58	-0.055			
75.5939	-4.647	0.3	0.875	-0.555	0.02			
76.5939	-4.647	0.275	0.8	-0.58	-0.055	0.855		0.305667
2.85955	-5.4215	0.3	0.875	-0.625	-0.05			
3.85955	-5.4215	0.3	0.875	-0.625	-0.05			
4.85955	-5.4215	0.4	0.875	-0.525	-0.05			
5.85955	-5.4215	0.45	0.875	-0.475	-0.05			
6.85955	-5.4215	0.45	0.875	-0.475	-0.05			
7.85955	-5.4215	0.3	0.875	-0.625	-0.05			
8.85955	-5.4215	0.3	0.875	-0.625	-0.05			
9.85955	-5.4215	0.3	0.875	-0.625	-0.05			
10.85955	-5.4215	0.3	0.875	-0.625	-0.05			
11.85955	-5.4215	0.3	0.875	-0.625	-0.05			
12.85955	-5.4215	0.3	0.875	-0.625	-0.05			
13.85955	-5.4215	0.4	0.875	-0.525	-0.05			
14.85955	-5.4215	0.5	0.875	-0.425	-0.05			
15.85955	-5.4215	0.3	0.825	-0.625	-0.1			
16.85955	-5.4215	0.325	0.825	-0.6	-0.1			
17.85955	-5.4215	0.3	0.825	-0.625	-0.1			
18.85955	-5.4215	0.3	0.9	-0.625	-0.025			
19.85955	-5.4215	0.3	0.9	-0.625	-0.025			
20.85955	-5.4215	0.4	0.875	-0.525	-0.05			
21.85955	-5.4215	0.5	0.875	-0.425	-0.05			
22.85955	-5.4215	0.475	0.875	-0.45	-0.05			
23.85955	-5.4215	0.45	0.875	-0.475	-0.05			
24.85955	-5.4215	0.4	0.9	-0.525	-0.025			
25.85955	-5.4215	0.4	0.9	-0.525	-0.025			
26.85955	-5.4215	0.4	0.9	-0.525	-0.025			
27.85955	-5.4215	0.35	0.8	-0.575	-0.125			
28.85955	-5.4215	0.35	0.775	-0.575	-0.15			
29.85955	-5.4215	0.35	0.8	-0.575	-0.125			
30.85955	-5.4215	0.4	0.85	-0.525	-0.075			
31.85955	-5.4215	0.3	0.85	-0.625	-0.075			
32.85955	-5.4215	0.275	0.85	-0.65	-0.075			
33.85955	-5.4215	0.275	0.85	-0.65	-0.075			
34.85955	-5.4215	0.275	0.85	-0.65	-0.075			
35.85955	-5.4215	0.3	0.85	-0.625	-0.075			
36.85955	-5.4215	0.3	0.85	-0.625	-0.075			
37.85955	-5.4215	0.325	0.875	-0.6	-0.05			
38.85955	-5.4215	0.4	0.95	-0.525	0.025			
39.85955	-5.4215	0.275	0.9	-0.65	-0.025			
40.85955	-5.4215	0.325	0.725	-0.6	-0.2			
41.85955	-5.4215	0.4	0.8	-0.525	-0.125			
42.85955	-5.4215	0.375	0.9	-0.55	-0.025			
43.85955	-5.4215	0.4	0.9	-0.525	-0.025			

44.85955	-5.4215	0.425	0.825	-0.5	-0.1			
45.85955	-5.4215	0.4	0.825	-0.525	-0.1			
46.85955	-5.4215	0.3	0.825	-0.625	-0.1			
47.85955	-5.4215	0.325	0.875	-0.6	-0.05			
48.85955	-5.4215	0.4	0.875	-0.525	-0.05			
49.85955	-5.4215	0.3	0.7	-0.625	-0.225			
50.85955	-5.4215	0.3	0.775	-0.625	-0.15			
51.85955	-5.4215	0.375	0.875	-0.55	-0.05			
52.85955	-5.4215	0.3	0.825	-0.625	-0.1			
53.85955	-5.4215	0.3	0.85	-0.625	-0.075			
54.85955	-5.4215	0.3	0.875	-0.625	-0.05			
55.85955	-5.4215	0.3	0.875	-0.625	-0.05			
56.85955	-5.4215	0.3	0.875	-0.625	-0.05			
57.85955	-5.4215	0.3	0.875	-0.625	-0.05			
58.85955	-5.4215	0.3	0.875	-0.625	-0.05			
59.85955	-5.4215	0.3	0.85	-0.625	-0.075			
60.85955	-5.4215	0.3	0.9	-0.625	-0.025			
61.85955	-5.4215	0.3	0.85	-0.625	-0.075			
62.85955	-5.4215	0.325	0.875	-0.6	-0.05			
63.85955	-5.4215	0.3	0.9	-0.625	-0.025			
64.85955	-5.4215	0.275	0.975	-0.65	0.05	0.925		0.342063
3.1252	-6.196	0.3	0.85	-0.55	0			
4.1252	-6.196	0.3	0.825	-0.55	-0.02698			
5.1252	-6.196	0.3	0.85	-0.55	-0.00198			
6.1252	-6.196	0.3	0.85	-0.55	-0.00198			
7.1252	-6.196	0.3	0.85	-0.55	-0.00198			
8.1252	-6.196	0.3	0.95	-0.55	0.098016			
9.1252	-6.196	0.3	0.875	-0.55	0.023016			
10.1252	-6.196	0.3	0.875	-0.55	0.023016			
11.1252	-6.196	0.3	0.875	-0.55	0.023016			
12.1252	-6.196	0.275	0.875	-0.575	0.023016			
13.1252	-6.196	0.325	0.825	-0.525	-0.02698			
14.1252	-6.196	0.325	0.825	-0.525	-0.02698			
15.1252	-6.196	0.325	0.875	-0.525	0.023016			
16.1252	-6.196	0.325	0.875	-0.525	0.023016			
17.1252	-6.196	0.3	0.85	-0.55	-0.00198			
18.1252	-6.196	0.325	0.85	-0.525	-0.00198			
19.1252	-6.196	0.3	0.85	-0.55	-0.00198			
20.1252	-6.196	0.3	0.85	-0.55	-0.00198			
21.1252	-6.196	0.3	0.85	-0.55	-0.00198			
22.1252	-6.196	0.325	0.875	-0.525	0.023016			
23.1252	-6.196	0.3	0.875	-0.55	0.023016			
24.1252	-6.196	0.3	0.825	-0.55	-0.02698			
25.1252	-6.196	0.3	0.825	-0.55	-0.02698			
26.1252	-6.196	0.325	0.825	-0.525	-0.02698			
27.1252	-6.196	0.4	0.825	-0.45	-0.02698			
28.1252	-6.196	0.4	0.875	-0.45	0.023016			
29.1252	-6.196	0.375	0.875	-0.475	0.023016			

30.1252	-6.196	0.35	0.85	-0.5	-0.00198			
31.1252	-6.196	0.325	0.8	-0.525	-0.05198			
32.1252	-6.196	0.3	0.775	-0.55	-0.07698			
33.1252	-6.196	0.3	0.75	-0.55	-0.10198			
34.1252	-6.196	0.425	0.875	-0.425	0.023016			
35.1252	-6.196	0.3	0.85	-0.55	-0.00198			
36.1252	-6.196	0.3	0.85	-0.55	-0.00198			
37.1252	-6.196	0.275	0.775	-0.575	-0.07698			
38.1252	-6.196	0.275	0.75	-0.575	-0.10198			
39.1252	-6.196	0.3	0.75	-0.55	-0.10198			
40.1252	-6.196	0.3	0.75	-0.55	-0.10198			
41.1252	-6.196	0.325	0.825	-0.525	-0.02698			
42.1252	-6.196	0.35	0.825	-0.5	-0.02698			
43.1252	-6.196	0.375	0.75	-0.475	-0.10198			
44.1252	-6.196	0.4	0.775	-0.45	-0.07698			
45.1252	-6.196	0.375	0.75	-0.475	-0.10198			
46.1252	-6.196	0.45	0.825	-0.4	-0.02698			
47.1252	-6.196	0.4	0.875	-0.45	0.023016			
48.1252	-6.196	0.375	0.875	-0.475	0.023016			
49.1252	-6.196	0.35	0.875	-0.5	0.023016			
50.1252	-6.196	0.4	0.875	-0.45	0.023016			
51.1252	-6.196	0.35	0.875	-0.5	0.023016			
52.1252	-6.196	0.325	0.875	-0.525	0.023016			
53.1252	-6.196	0.325	0.85	-0.525	-0.00198			
54.1252	-6.196	0.325	0.8	-0.525	-0.05198			
55.1252	-6.196	0.325	0.8	-0.525	-0.05198			
56.1252	-6.196	0.325	0.8	-0.525	-0.05198			
57.1252	-6.196	0.325	0.8	-0.525	-0.05198			
58.1252	-6.196	0.325	0.8	-0.525	-0.05198			
59.1252	-6.196	0.4	0.9	-0.45	0.048016			
60.1252	-6.196	0.4	0.825	-0.45	-0.02698			
61.1252	-6.196	0.4	0.925	-0.45	0.073016			
62.1252	-6.196	0.4	0.925	-0.45	0.073016			
63.1252	-6.196	0.4	0.9	-0.45	0.048016			
64.1252	-6.196	0.4	0.875	-0.45	0.023016			
65.1252	-6.196	0.4	0.975	-0.45	0.123016			
66.1252	-6.196	0.4	0.875	-0.45	0.023016			
67.1252	-6.196	0.4	0.95	-0.45	0.098016			
68.1252	-6.196	0.4	0.9	-0.45	0.048016			
69.1252	-6.196	0.3	0.9	-0.55	0.048016			
70.1252	-6.196	0.3	0.85	-0.55	-0.00198			
71.1252	-6.196	0.3	0.85	-0.55	-0.00198			
72.1252	-6.196	0.3	0.85	-0.55	-0.00198			
73.1252	-6.196	0.4	0.9	-0.45	0.048016			
74.1252	-6.196	0.35	0.875	-0.5	0.023016			
75.1252	-6.196	0.4	0.85	-0.45	-0.00198			
76.1252	-6.196	0.4	0.85	-0.45	-0.00198			
77.1252	-6.196	0.3	0.85	-0.55	-0.00198	0.85		0.3

3.39085	-6.9705	0.3	0.85	-0.575	-0.025			
4.39085	-6.9705	0.3	0.875	-0.575	0			
5.39085	-6.9705	0.4	0.875	-0.475	0			
6.39085	-6.9705	0.425	0.875	-0.45	0			
7.39085	-6.9705	0.3	0.875	-0.575	0			
8.39085	-6.9705	0.3	0.95	-0.575	0.075			
9.39085	-6.9705	0.3	0.95	-0.575	0.075			
10.39085	-6.9705	0.425	0.9	-0.45	0.025			
11.39085	-6.9705	0.3	0.9	-0.575	0.025			
12.39085	-6.9705	0.3	0.9	-0.575	0.025			
13.39085	-6.9705	0.3	0.85	-0.575	-0.025			
14.39085	-6.9705	0.3	0.85	-0.575	-0.025			
15.39085	-6.9705	0.3	0.75	-0.575	-0.125			
16.39085	-6.9705	0.325	0.825	-0.55	-0.05			
17.39085	-6.9705	0.325	0.8	-0.55	-0.075			
18.39085	-6.9705	0.325	0.8	-0.55	-0.075			
19.39085	-6.9705	0.3	0.875	-0.575	0			
20.39085	-6.9705	0.4	0.9	-0.475	0.025			
21.39085	-6.9705	0.375	0.9	-0.5	0.025			
22.39085	-6.9705	0.4	0.9	-0.475	0.025			
23.39085	-6.9705	0.4	0.875	-0.475	0			
24.39085	-6.9705	0.4	0.875	-0.475	0			
25.39085	-6.9705	0.45	0.875	-0.425	0			
26.39085	-6.9705	0.425	0.875	-0.45	0			
27.39085	-6.9705	0.4	0.825	-0.475	-0.05			
28.39085	-6.9705	0.35	0.75	-0.525	-0.125			
29.39085	-6.9705	0.35	0.75	-0.525	-0.125			
30.39085	-6.9705	0.35	0.75	-0.525	-0.125			
31.39085	-6.9705	0.375	0.85	-0.5	-0.025			
32.39085	-6.9705	0.375	0.825	-0.5	-0.05			
33.39085	-6.9705	0.3	0.825	-0.575	-0.05			
34.39085	-6.9705	0.325	0.825	-0.55	-0.05			
35.39085	-6.9705	0.35	0.825	-0.525	-0.05			
36.39085	-6.9705	0.325	0.825	-0.55	-0.05			
37.39085	-6.9705	0.375	0.85	-0.5	-0.025			
38.39085	-6.9705	0.4	0.85	-0.475	-0.025			
39.39085	-6.9705	0.325	0.85	-0.55	-0.025			
40.39085	-6.9705	0.3	0.775	-0.575	-0.1			
41.39085	-6.9705	0.375	0.825	-0.5	-0.05			
42.39085	-6.9705	0.325	0.825	-0.55	-0.05			
43.39085	-6.9705	0.4	0.85	-0.475	-0.025			
44.39085	-6.9705	0.4	0.85	-0.475	-0.025			
45.39085	-6.9705	0.375	0.85	-0.5	-0.025			
46.39085	-6.9705	0.35	0.85	-0.525	-0.025			
47.39085	-6.9705	0.3	0.85	-0.575	-0.025			
48.39085	-6.9705	0.325	0.85	-0.55	-0.025			
49.39085	-6.9705	0.3	0.85	-0.575	-0.025			
50.39085	-6.9705	0.375	0.85	-0.5	-0.025			

51.39085	-6.9705	0.325	0.875	-0.55	0			
52.39085	-6.9705	0.3	0.9	-0.575	0.025			
53.39085	-6.9705	0.3	0.9	-0.575	0.025			
54.39085	-6.9705	0.3	0.9	-0.575	0.025			
55.39085	-6.9705	0.3	0.9	-0.575	0.025			
56.39085	-6.9705	0.3	0.9	-0.575	0.025			
57.39085	-6.9705	0.3	0.9	-0.575	0.025			
58.39085	-6.9705	0.3	0.9	-0.575	0.025			
59.39085	-6.9705	0.3	0.9	-0.575	0.025			
60.39085	-6.9705	0.3	0.85	-0.575	-0.025			
61.39085	-6.9705	0.375	0.85	-0.5	-0.025			
62.39085	-6.9705	0.375	0.85	-0.5	-0.025			
63.39085	-6.9705	0.3	0.9	-0.575	0.025			
64.39085	-6.9705	0.3	0.9	-0.575	0.025			
65.39085	-6.9705	0.3	0.9	-0.575	0.025	0.875		0.340873
3.6565	-7.745	0.3	0.85	-0.5625	-0.0125			
4.6565	-7.745	0.4	0.85	-0.4625	-0.0125			
5.6565	-7.745	0.325	0.85	-0.5375	-0.0125			
6.6565	-7.745	0.3	0.85	-0.5625	-0.0125			
7.6565	-7.745	0.3	0.85	-0.5625	-0.0125			
8.6565	-7.745	0.3	0.85	-0.5625	-0.0125			
9.6565	-7.745	0.35	0.85	-0.5125	-0.0125			
10.6565	-7.745	0.35	0.85	-0.5125	-0.0125			
11.6565	-7.745	0.3	0.85	-0.5625	-0.0125			
12.6565	-7.745	0.3	0.85	-0.5625	-0.0125			
13.6565	-7.745	0.35	0.85	-0.5125	-0.0125			
14.6565	-7.745	0.325	0.85	-0.5375	-0.0125			
15.6565	-7.745	0.3	0.9	-0.5625	0.0375			
16.6565	-7.745	0.325	0.9	-0.5375	0.0375			
17.6565	-7.745	0.325	0.9	-0.5375	0.0375			
18.6565	-7.745	0.275	0.9	-0.5875	0.0375			
19.6565	-7.745	0.275	0.9	-0.5875	0.0375			
20.6565	-7.745	0.325	0.9	-0.5375	0.0375			
21.6565	-7.745	0.325	0.85	-0.5375	-0.0125			
22.6565	-7.745	0.325	0.75	-0.5375	-0.1125			
23.6565	-7.745	0.35	0.75	-0.5125	-0.1125			
24.6565	-7.745	0.35	0.75	-0.5125	-0.1125			
25.6565	-7.745	0.3	0.75	-0.5625	-0.1125			
26.6565	-7.745	0.3	0.95	-0.5625	0.0875			
27.6565	-7.745	0.3	0.95	-0.5625	0.0875			
28.6565	-7.745	0.3	0.825	-0.5625	-0.0375			
29.6565	-7.745	0.325	0.825	-0.5375	-0.0375			
30.6565	-7.745	0.4	0.825	-0.4625	-0.0375			
31.6565	-7.745	0.35	0.825	-0.5125	-0.0375			
32.6565	-7.745	0.325	0.825	-0.5375	-0.0375			
33.6565	-7.745	0.325	0.825	-0.5375	-0.0375			
34.6565	-7.745	0.3	0.825	-0.5625	-0.0375			
35.6565	-7.745	0.4	0.85	-0.4625	-0.0125			

36.6565	-7.745	0.4	0.85	-0.4625	-0.0125			
37.6565	-7.745	0.325	0.85	-0.5375	-0.0125			
38.6565	-7.745	0.275	0.825	-0.5875	-0.0375			
39.6565	-7.745	0.275	0.825	-0.5875	-0.0375			
40.6565	-7.745	0.325	0.8	-0.5375	-0.0625			
41.6565	-7.745	0.35	0.85	-0.5125	-0.0125			
42.6565	-7.745	0.275	0.85	-0.5875	-0.0125			
43.6565	-7.745	0.375	0.75	-0.4875	-0.1125			
44.6565	-7.745	0.375	0.75	-0.4875	-0.1125			
45.6565	-7.745	0.375	0.75	-0.4875	-0.1125			
46.6565	-7.745	0.45	0.75	-0.4125	-0.1125			
47.6565	-7.745	0.4	0.875	-0.4625	0.0125			
48.6565	-7.745	0.425	0.875	-0.4375	0.0125			
49.6565	-7.745	0.425	0.875	-0.4375	0.0125			
50.6565	-7.745	0.425	0.9	-0.4375	0.0375			
51.6565	-7.745	0.425	0.9	-0.4375	0.0375			
52.6565	-7.745	0.425	0.9	-0.4375	0.0375			
53.6565	-7.745	0.425	0.925	-0.4375	0.0625			
54.6565	-7.745	0.425	0.925	-0.4375	0.0625			
55.6565	-7.745	0.325	0.85	-0.5375	-0.0125			
56.6565	-7.745	0.35	0.85	-0.5125	-0.0125			
57.6565	-7.745	0.325	0.8	-0.5375	-0.0625			
58.6565	-7.745	0.35	0.8	-0.5125	-0.0625			
59.6565	-7.745	0.35	0.85	-0.5125	-0.0125			
60.6565	-7.745	0.3	0.85	-0.5625	-0.0125			
61.6565	-7.745	0.4	0.85	-0.4625	-0.0125			
62.6565	-7.745	0.4	0.875	-0.4625	0.0125			
63.6565	-7.745	0.4	0.9	-0.4625	0.0375			
64.6565	-7.745	0.4	0.95	-0.4625	0.0875			
65.6565	-7.745	0.4	0.95	-0.4625	0.0875			
66.6565	-7.745	0.4	0.95	-0.4625	0.0875			
67.6565	-7.745	0.3	0.95	-0.5625	0.0875			
68.6565	-7.745	0.3	0.925	-0.5625	0.0625			
69.6565	-7.745	0.3	0.925	-0.5625	0.0625			
70.6565	-7.745	0.3	0.85	-0.5625	-0.0125			
71.6565	-7.745	0.3	0.9	-0.5625	0.0375			
72.6565	-7.745	0.3	0.8	-0.5625	-0.0625			
73.6565	-7.745	0.325	0.825	-0.5375	-0.0375			
74.6565	-7.745	0.3	0.8	-0.5625	-0.0625			
75.6565	-7.745	0.3	0.8	-0.5625	-0.0625			
76.6565	-7.745	0.3	0.875	-0.5625	0.0125			
77.6565	-7.745	0.325	0.875	-0.5375	0.0125	0.8625		0.341667
3.92215	-8.5195	0.4	0.875	-0.45	0.025			
4.92215	-8.5195	0.4	0.875	-0.45	0.025			
5.92215	-8.5195	0.325	0.875	-0.525	0.025			
6.92215	-8.5195	0.325	0.875	-0.525	0.025			
7.92215	-8.5195	0.4	0.875	-0.45	0.025			
8.92215	-8.5195	0.35	0.875	-0.5	0.025			

9.92215	-8.5195	0.35	0.875	-0.5	0.025			
10.92215	-8.5195	0.4	0.875	-0.45	0.025			
11.92215	-8.5195	0.325	0.875	-0.525	0.025			
12.92215	-8.5195	0.4	0.875	-0.45	0.025			
13.92215	-8.5195	0.3	0.875	-0.55	0.025			
14.92215	-8.5195	0.3	0.85	-0.55	0			
15.92215	-8.5195	0.325	0.8	-0.525	-0.05			
16.92215	-8.5195	0.325	0.8	-0.525	-0.05			
17.92215	-8.5195	0.35	0.8	-0.5	-0.05			
18.92215	-8.5195	0.35	0.8	-0.5	-0.05			
19.92215	-8.5195	0.35	0.85	-0.5	0			
20.92215	-8.5195	0.325	0.85	-0.525	0			
21.92215	-8.5195	0.325	0.85	-0.525	0			
22.92215	-8.5195	0.425	0.85	-0.425	0			
23.92215	-8.5195	0.425	0.85	-0.425	0			
24.92215	-8.5195	0.425	0.85	-0.425	0			
25.92215	-8.5195	0.425	0.85	-0.425	0			
26.92215	-8.5195	0.4	0.85	-0.45	0			
27.92215	-8.5195	0.4	0.8	-0.45	-0.05			
28.92215	-8.5195	0.375	0.75	-0.475	-0.1			
29.92215	-8.5195	0.375	0.75	-0.475	-0.1			
30.92215	-8.5195	0.45	0.8	-0.4	-0.05			
31.92215	-8.5195	0.325	0.9	-0.525	0.05			
32.92215	-8.5195	0.3	0.85	-0.55	0			
33.92215	-8.5195	0.3	0.85	-0.55	0			
34.92215	-8.5195	0.325	0.85	-0.525	0			
35.92215	-8.5195	0.35	0.85	-0.5	0			
36.92215	-8.5195	0.35	0.85	-0.5	0			
37.92215	-8.5195	0.4	0.85	-0.45	0			
38.92215	-8.5195	0.35	0.85	-0.5	0			
39.92215	-8.5195	0.3	0.775	-0.55	-0.075			
40.92215	-8.5195	0.3	0.775	-0.55	-0.075			
41.92215	-8.5195	0.3	0.825	-0.55	-0.025			
42.92215	-8.5195	0.325	0.825	-0.525	-0.025			
43.92215	-8.5195	0.325	0.9	-0.525	0.05			
44.92215	-8.5195	0.325	0.9	-0.525	0.05			
45.92215	-8.5195	0.325	0.9	-0.525	0.05			
46.92215	-8.5195	0.325	0.875	-0.525	0.025			
47.92215	-8.5195	0.325	0.875	-0.525	0.025			
48.92215	-8.5195	0.325	0.8	-0.525	-0.05			
49.92215	-8.5195	0.325	0.8	-0.525	-0.05			
50.92215	-8.5195	0.325	0.8	-0.525	-0.05			
51.92215	-8.5195	0.35	0.8	-0.5	-0.05			
52.92215	-8.5195	0.325	0.85	-0.525	0			
53.92215	-8.5195	0.325	0.9	-0.525	0.05			
54.92215	-8.5195	0.3	0.9	-0.55	0.05			
55.92215	-8.5195	0.3	0.9	-0.55	0.05			
56.92215	-8.5195	0.35	0.9	-0.5	0.05			

57.92215	-8.5195	0.325	0.9	-0.525	0.05			
58.92215	-8.5195	0.325	0.9	-0.525	0.05			
59.92215	-8.5195	0.35	0.9	-0.5	0.05			
60.92215	-8.5195	0.4	0.9	-0.45	0.05			
61.92215	-8.5195	0.375	0.9	-0.475	0.05			
62.92215	-8.5195	0.325	0.875	-0.525	0.025			
63.92215	-8.5195	0.325	0.825	-0.525	-0.025			
64.92215	-8.5195	0.325	0.825	-0.525	-0.025			
65.92215	-8.5195	0.325	0.825	-0.525	-0.025	0.85		0.347222
4.1878	-9.294	0.3	0.875	-0.5875	-0.0125			
5.1878	-9.294	0.325	0.875	-0.5625	-0.0125			
6.1878	-9.294	0.325	0.85	-0.5625	-0.0375			
7.1878	-9.294	0.425	0.85	-0.4625	-0.0375			
8.1878	-9.294	0.325	0.85	-0.5625	-0.0375			
9.1878	-9.294	0.325	0.85	-0.5625	-0.0375			
10.1878	-9.294	0.3	0.85	-0.5875	-0.0375			
11.1878	-9.294	0.3	0.85	-0.5875	-0.0375			
12.1878	-9.294	0.325	0.85	-0.5625	-0.0375			
13.1878	-9.294	0.325	0.85	-0.5625	-0.0375			
14.1878	-9.294	0.325	0.85	-0.5625	-0.0375			
15.1878	-9.294	0.375	0.85	-0.5125	-0.0375			
16.1878	-9.294	0.375	0.85	-0.5125	-0.0375			
17.1878	-9.294	0.325	0.85	-0.5625	-0.0375			
18.1878	-9.294	0.325	0.85	-0.5625	-0.0375			
19.1878	-9.294	0.325	0.85	-0.5625	-0.0375			
20.1878	-9.294	0.325	0.85	-0.5625	-0.0375			
21.1878	-9.294	0.325	0.85	-0.5625	-0.0375			
22.1878	-9.294	0.325	0.85	-0.5625	-0.0375			
23.1878	-9.294	0.3	0.85	-0.5875	-0.0375			
24.1878	-9.294	0.325	0.85	-0.5625	-0.0375			
25.1878	-9.294	0.3	0.85	-0.5875	-0.0375			
26.1878	-9.294	0.3	0.85	-0.5875	-0.0375			
27.1878	-9.294	0.3	0.85	-0.5875	-0.0375			
28.1878	-9.294	0.3	0.85	-0.5875	-0.0375			
29.1878	-9.294	0.3	0.85	-0.5875	-0.0375			
30.1878	-9.294	0.325	0.85	-0.5625	-0.0375			
31.1878	-9.294	0.325	0.9	-0.5625	0.0125			
32.1878	-9.294	0.35	0.8	-0.5375	-0.0875			
33.1878	-9.294	0.4	0.85	-0.4875	-0.0375			
34.1878	-9.294	0.35	0.85	-0.5375	-0.0375			
35.1878	-9.294	0.3	0.85	-0.5875	-0.0375			
36.1878	-9.294	0.375	0.85	-0.5125	-0.0375			
37.1878	-9.294	0.4	0.85	-0.4875	-0.0375			
38.1878	-9.294	0.35	0.85	-0.5375	-0.0375			
39.1878	-9.294	0.375	0.85	-0.5125	-0.0375			
40.1878	-9.294	0.375	0.8	-0.5125	-0.0875			
41.1878	-9.294	0.35	0.85	-0.5375	-0.0375			
42.1878	-9.294	0.375	0.85	-0.5125	-0.0375			

43.1878	-9.294	0.375	0.8	-0.5125	-0.0875			
44.1878	-9.294	0.375	0.725	-0.5125	-0.1625			
45.1878	-9.294	0.375	0.725	-0.5125	-0.1625			
46.1878	-9.294	0.375	0.725	-0.5125	-0.1625			
47.1878	-9.294	0.375	0.8	-0.5125	-0.0875			
48.1878	-9.294	0.4	0.85	-0.4875	-0.0375			
49.1878	-9.294	0.4	0.85	-0.4875	-0.0375			
50.1878	-9.294	0.4	0.875	-0.4875	-0.0125			
51.1878	-9.294	0.35	0.875	-0.5375	-0.0125			
52.1878	-9.294	0.35	0.9	-0.5375	0.0125			
53.1878	-9.294	0.35	0.9	-0.5375	0.0125			
54.1878	-9.294	0.35	0.875	-0.5375	-0.0125			
55.1878	-9.294	0.35	0.875	-0.5375	-0.0125			
56.1878	-9.294	0.35	0.875	-0.5375	-0.0125			
57.1878	-9.294	0.35	0.875	-0.5375	-0.0125			
58.1878	-9.294	0.35	0.875	-0.5375	-0.0125			
59.1878	-9.294	0.35	0.875	-0.5375	-0.0125			
60.1878	-9.294	0.35	0.875	-0.5375	-0.0125			
61.1878	-9.294	0.35	0.875	-0.5375	-0.0125			
62.1878	-9.294	0.35	0.875	-0.5375	-0.0125			
63.1878	-9.294	0.35	0.9	-0.5375	0.0125			
64.1878	-9.294	0.35	0.9	-0.5375	0.0125			
65.1878	-9.294	0.4	0.9	-0.4875	0.0125			
66.1878	-9.294	0.35	0.9	-0.5375	0.0125			
67.1878	-9.294	0.4	0.9	-0.4875	0.0125			
68.1878	-9.294	0.325	0.9	-0.5625	0.0125			
69.1878	-9.294	0.425	0.9	-0.4625	0.0125			
70.1878	-9.294	0.425	0.9	-0.4625	0.0125			
71.1878	-9.294	0.4	0.9	-0.4875	0.0125			
72.1878	-9.294	0.4	0.9	-0.4875	0.0125			
73.1878	-9.294	0.4	0.9	-0.4875	0.0125			
74.1878	-9.294	0.4	0.9	-0.4875	0.0125			
75.1878	-9.294	0.375	0.9	-0.5125	0.0125			
76.1878	-9.294	0.45	0.9	-0.4375	0.0125			
77.1878	-9.294	0.4	0.9	-0.4875	0.0125			
78.1878	-9.294	0.4	0.9	-0.4875	0.0125	0.8875		0.354667
4.45345	-10.0685	0.4	0.925	-0.4875	0.0375			
5.45345	-10.0685	0.45	0.925	-0.4375	0.0375			
6.45345	-10.0685	0.4	0.925	-0.4875	0.0375			
7.45345	-10.0685	0.325	0.925	-0.5625	0.0375			
8.45345	-10.0685	0.45	0.925	-0.4375	0.0375			
9.45345	-10.0685	0.425	0.925	-0.4625	0.0375			
10.45345	-10.0685	0.425	0.925	-0.4625	0.0375			
11.45345	-10.0685	0.3	0.925	-0.5875	0.0375			
12.45345	-10.0685	0.325	0.925	-0.5625	0.0375			
13.45345	-10.0685	0.325	0.775	-0.5625	-0.1125			
14.45345	-10.0685	0.325	0.775	-0.5625	-0.1125			
15.45345	-10.0685	0.325	0.775	-0.5625	-0.1125			

16.45345	-10.0685	0.325	0.775	-0.5625	-0.1125			
17.45345	-10.0685	0.325	0.775	-0.5625	-0.1125			
18.45345	-10.0685	0.325	0.775	-0.5625	-0.1125			
19.45345	-10.0685	0.325	0.775	-0.5625	-0.1125			
20.45345	-10.0685	0.45	0.85	-0.4375	-0.0375			
21.45345	-10.0685	0.425	0.85	-0.4625	-0.0375			
22.45345	-10.0685	0.425	0.85	-0.4625	-0.0375			
23.45345	-10.0685	0.325	0.85	-0.5625	-0.0375			
24.45345	-10.0685	0.325	0.85	-0.5625	-0.0375			
25.45345	-10.0685	0.4	0.85	-0.4875	-0.0375			
26.45345	-10.0685	0.4	0.85	-0.4875	-0.0375			
27.45345	-10.0685	0.425	0.85	-0.4625	-0.0375			
28.45345	-10.0685	0.425	0.85	-0.4625	-0.0375			
29.45345	-10.0685	0.35	0.775	-0.5375	-0.1125			
30.45345	-10.0685	0.35	0.725	-0.5375	-0.1625			
31.45345	-10.0685	0.35	0.725	-0.5375	-0.1625			
32.45345	-10.0685	0.35	0.875	-0.5375	-0.0125			
33.45345	-10.0685	0.3	0.9	-0.5875	0.0125			
34.45345	-10.0685	0.4	0.875	-0.4875	-0.0125			
35.45345	-10.0685	0.4	0.875	-0.4875	-0.0125			
36.45345	-10.0685	0.3	0.875	-0.5875	-0.0125			
37.45345	-10.0685	0.35	0.875	-0.5375	-0.0125			
38.45345	-10.0685	0.3	0.875	-0.5875	-0.0125			
39.45345	-10.0685	0.425	0.875	-0.4625	-0.0125			
40.45345	-10.0685	0.4	0.875	-0.4875	-0.0125			
41.45345	-10.0685	0.35	0.875	-0.5375	-0.0125			
42.45345	-10.0685	0.3	0.85	-0.5875	-0.0375			
43.45345	-10.0685	0.3	0.825	-0.5875	-0.0625			
44.45345	-10.0685	0.3	0.825	-0.5875	-0.0625			
45.45345	-10.0685	0.3	0.825	-0.5875	-0.0625			
46.45345	-10.0685	0.3	0.825	-0.5875	-0.0625			
47.45345	-10.0685	0.3	0.825	-0.5875	-0.0625			
48.45345	-10.0685	0.3	0.825	-0.5875	-0.0625			
49.45345	-10.0685	0.3	0.825	-0.5875	-0.0625			
50.45345	-10.0685	0.3	0.825	-0.5875	-0.0625			
51.45345	-10.0685	0.3	0.825	-0.5875	-0.0625			
52.45345	-10.0685	0.3	0.825	-0.5875	-0.0625			
53.45345	-10.0685	0.3	0.825	-0.5875	-0.0625			
54.45345	-10.0685	0.3	0.825	-0.5875	-0.0625			
55.45345	-10.0685	0.325	0.85	-0.5625	-0.0375			
56.45345	-10.0685	0.325	0.875	-0.5625	-0.0125			
57.45345	-10.0685	0.325	0.875	-0.5625	-0.0125			
58.45345	-10.0685	0.4	0.875	-0.4875	-0.0125			
59.45345	-10.0685	0.325	0.875	-0.5625	-0.0125			
60.45345	-10.0685	0.325	0.875	-0.5625	-0.0125			
61.45345	-10.0685	0.425	0.9	-0.4625	0.0125			
62.45345	-10.0685	0.4	0.9	-0.4875	0.0125			
63.45345	-10.0685	0.3	0.9	-0.5875	0.0125			

64.45345	-10.0685	0.3	0.9	-0.5875	0.0125			
65.45345	-10.0685	0.3	0.85	-0.5875	-0.0375			
66.45345	-10.0685	0.3	0.85	-0.5875	-0.0375	0.8875		0.348413
4.7191	-10.843	0.45	0.875	-0.4125	0.0125			
5.7191	-10.843	0.4	0.875	-0.4625	0.0125			
6.7191	-10.843	0.375	0.85	-0.4875	-0.0125			
7.7191	-10.843	0.325	0.85	-0.5375	-0.0125			
8.7191	-10.843	0.35	0.825	-0.5125	-0.0375			
9.7191	-10.843	0.375	0.825	-0.4875	-0.0375			
10.7191	-10.843	0.3	0.825	-0.5625	-0.0375			
11.7191	-10.843	0.325	0.775	-0.5375	-0.0875			
12.7191	-10.843	0.3	0.75	-0.5625	-0.1125			
13.7191	-10.843	0.3	0.85	-0.5625	-0.0125			
14.7191	-10.843	0.325	0.85	-0.5375	-0.0125			
15.7191	-10.843	0.325	0.85	-0.5375	-0.0125			
16.7191	-10.843	0.325	0.85	-0.5375	-0.0125			
17.7191	-10.843	0.275	0.85	-0.5875	-0.0125			
18.7191	-10.843	0.3	0.85	-0.5625	-0.0125			
19.7191	-10.843	0.25	0.95	-0.6125	0.0875			
20.7191	-10.843	0.275	0.85	-0.5875	-0.0125			
21.7191	-10.843	0.3	0.85	-0.5625	-0.0125			
22.7191	-10.843	0.35	0.85	-0.5125	-0.0125			
23.7191	-10.843	0.375	0.85	-0.4875	-0.0125			
24.7191	-10.843	0.25	0.85	-0.6125	-0.0125			
25.7191	-10.843	0.3	0.85	-0.5625	-0.0125			
26.7191	-10.843	0.3	0.85	-0.5625	-0.0125			
27.7191	-10.843	0.3	0.85	-0.5625	-0.0125			
28.7191	-10.843	0.3	0.85	-0.5625	-0.0125			
29.7191	-10.843	0.4	0.85	-0.4625	-0.0125			
30.7191	-10.843	0.35	0.85	-0.5125	-0.0125			
31.7191	-10.843	0.25	0.825	-0.6125	-0.0375			
32.7191	-10.843	0.375	0.825	-0.4875	-0.0375			
33.7191	-10.843	0.25	0.825	-0.6125	-0.0375			
34.7191	-10.843	0.3	0.825	-0.5625	-0.0375			
35.7191	-10.843	0.375	0.825	-0.4875	-0.0375			
36.7191	-10.843	0.375	0.85	-0.4875	-0.0125			
37.7191	-10.843	0.375	0.875	-0.4875	0.0125			
38.7191	-10.843	0.25	0.9	-0.6125	0.0375			
39.7191	-10.843	0.4	0.9	-0.4625	0.0375			
40.7191	-10.843	0.4	0.85	-0.4625	-0.0125			
41.7191	-10.843	0.4	0.9	-0.4625	0.0375			
42.7191	-10.843	0.4	0.9	-0.4625	0.0375			
43.7191	-10.843	0.375	0.9	-0.4875	0.0375			
44.7191	-10.843	0.4	0.825	-0.4625	-0.0375			
45.7191	-10.843	0.35	0.7	-0.5125	-0.1625			
46.7191	-10.843	0.35	0.7	-0.5125	-0.1625			
47.7191	-10.843	0.35	0.75	-0.5125	-0.1125			
48.7191	-10.843	0.4	0.85	-0.4625	-0.0125			

49.7191	-10.843	0.4	0.875	-0.4625	0.0125			
50.7191	-10.843	0.375	0.875	-0.4875	0.0125			
51.7191	-10.843	0.35	0.875	-0.5125	0.0125			
52.7191	-10.843	0.375	0.875	-0.4875	0.0125			
53.7191	-10.843	0.3	0.875	-0.5625	0.0125			
54.7191	-10.843	0.375	0.875	-0.4875	0.0125			
55.7191	-10.843	0.4	0.875	-0.4625	0.0125			
56.7191	-10.843	0.4	0.875	-0.4625	0.0125			
57.7191	-10.843	0.4	0.875	-0.4625	0.0125			
58.7191	-10.843	0.3	0.875	-0.5625	0.0125			
59.7191	-10.843	0.275	0.8	-0.5875	-0.0625			
60.7191	-10.843	0.275	0.8	-0.5875	-0.0625			
61.7191	-10.843	0.275	0.8	-0.5875	-0.0625			
62.7191	-10.843	0.275	0.8	-0.5875	-0.0625			
63.7191	-10.843	0.275	0.85	-0.5875	-0.0125			
64.7191	-10.843	0.275	0.85	-0.5875	-0.0125			
65.7191	-10.843	0.275	0.85	-0.5875	-0.0125			
66.7191	-10.843	0.275	0.85	-0.5875	-0.0125			
67.7191	-10.843	0.275	0.85	-0.5875	-0.0125			
68.7191	-10.843	0.375	0.9	-0.4875	0.0375			
69.7191	-10.843	0.45	0.9	-0.4125	0.0375			
70.7191	-10.843	0.4	0.9	-0.4625	0.0375			
71.7191	-10.843	0.3	0.9	-0.5625	0.0375			
72.7191	-10.843	0.4	0.9	-0.4625	0.0375			
73.7191	-10.843	0.375	0.9	-0.4875	0.0375			
74.7191	-10.843	0.275	0.9	-0.5875	0.0375			
75.7191	-10.843	0.25	0.9	-0.6125	0.0375			
76.7191	-10.843	0.35	0.85	-0.5125	-0.0125			
77.7191	-10.843	0.35	0.85	-0.5125	-0.0125			
78.7191	-10.843	0.25	0.85	-0.6125	-0.0125	0.8625		0.35
4.98475	-11.6175	0.3	0.925	-0.6	0.025			
5.98475	-11.6175	0.3	0.925	-0.6	0.025			
6.98475	-11.6175	0.3	0.925	-0.6	0.025			
7.98475	-11.6175	0.35	0.925	-0.55	0.025			
8.98475	-11.6175	0.4	0.925	-0.5	0.025			
9.98475	-11.6175	0.275	0.925	-0.625	0.025			
10.98475	-11.6175	0.3	0.925	-0.6	0.025			
11.98475	-11.6175	0.35	0.925	-0.55	0.025			
12.98475	-11.6175	0.3	0.925	-0.6	0.025			
13.98475	-11.6175	0.275	0.925	-0.625	0.025			
14.98475	-11.6175	0.275	0.875	-0.625	-0.025			
15.98475	-11.6175	0.275	0.875	-0.625	-0.025			
16.98475	-11.6175	0.3	0.875	-0.6	-0.025			
17.98475	-11.6175	0.3	0.875	-0.6	-0.025			
18.98475	-11.6175	0.4	0.875	-0.5	-0.025			
19.98475	-11.6175	0.4	0.875	-0.5	-0.025			
20.98475	-11.6175	0.4	0.875	-0.5	-0.025			
21.98475	-11.6175	0.4	0.875	-0.5	-0.025			

22.98475	-11.6175	0.4	0.875	-0.5	-0.025			
23.98475	-11.6175	0.325	0.875	-0.575	-0.025			
24.98475	-11.6175	0.35	0.85	-0.55	-0.05			
25.98475	-11.6175	0.3	0.85	-0.6	-0.05			
26.98475	-11.6175	0.25	0.85	-0.65	-0.05			
27.98475	-11.6175	0.375	0.875	-0.525	-0.025			
28.98475	-11.6175	0.375	0.875	-0.525	-0.025			
29.98475	-11.6175	0.375	0.875	-0.525	-0.025			
30.98475	-11.6175	0.35	0.8	-0.55	-0.1			
31.98475	-11.6175	0.375	0.75	-0.525	-0.15			
32.98475	-11.6175	0.35	0.75	-0.55	-0.15			
33.98475	-11.6175	0.375	0.875	-0.525	-0.025			
34.98475	-11.6175	0.35	0.875	-0.55	-0.025			
35.98475	-11.6175	0.375	0.875	-0.525	-0.025			
36.98475	-11.6175	0.375	0.875	-0.525	-0.025			
37.98475	-11.6175	0.375	0.875	-0.525	-0.025			
38.98475	-11.6175	0.375	0.875	-0.525	-0.025			
39.98475	-11.6175	0.25	0.875	-0.65	-0.025			
40.98475	-11.6175	0.375	0.875	-0.525	-0.025			
41.98475	-11.6175	0.3	0.825	-0.6	-0.075			
42.98475	-11.6175	0.3	0.825	-0.6	-0.075			
43.98475	-11.6175	0.275	0.825	-0.625	-0.075			
44.98475	-11.6175	0.275	0.75	-0.625	-0.15			
45.98475	-11.6175	0.275	0.75	-0.625	-0.15			
46.98475	-11.6175	0.275	0.825	-0.625	-0.075			
47.98475	-11.6175	0.275	0.9	-0.625	0			
48.98475	-11.6175	0.35	0.9	-0.55	0			
49.98475	-11.6175	0.3	0.825	-0.6	-0.075			
50.98475	-11.6175	0.3	0.825	-0.6	-0.075			
51.98475	-11.6175	0.275	0.825	-0.625	-0.075			
52.98475	-11.6175	0.275	0.825	-0.625	-0.075			
53.98475	-11.6175	0.3	0.825	-0.6	-0.075			
54.98475	-11.6175	0.35	0.825	-0.55	-0.075			
55.98475	-11.6175	0.35	0.825	-0.55	-0.075			
56.98475	-11.6175	0.325	0.85	-0.575	-0.05			
57.98475	-11.6175	0.25	0.875	-0.65	-0.025			
58.98475	-11.6175	0.35	0.875	-0.55	-0.025			
59.98475	-11.6175	0.35	0.875	-0.55	-0.025			
60.98475	-11.6175	0.275	0.875	-0.625	-0.025			
61.98475	-11.6175	0.275	0.875	-0.625	-0.025			
62.98475	-11.6175	0.275	0.875	-0.625	-0.025			
63.98475	-11.6175	0.275	0.85	-0.625	-0.05			
64.98475	-11.6175	0.275	0.85	-0.625	-0.05			
65.98475	-11.6175	0.275	0.85	-0.625	-0.05			
66.98475	-11.6175	0.4	0.875	-0.5	-0.025	0.9		0.35
5.2504	-12.392	0.4	0.875	-0.475	0			
6.2504	-12.392	0.4	0.9	-0.475	0.025			
7.2504	-12.392	0.4	0.875	-0.475	0			

8.2504	-12.392	0.4	0.875	-0.475	0			
9.2504	-12.392	0.4	0.875	-0.475	0			
10.2504	-12.392	0.425	0.875	-0.45	0			
11.2504	-12.392	0.3	0.875	-0.575	0			
12.2504	-12.392	0.3	0.875	-0.575	0			
13.2504	-12.392	0.3	0.875	-0.575	0			
14.2504	-12.392	0.3	0.875	-0.575	0			
15.2504	-12.392	0.275	0.875	-0.6	0			
16.2504	-12.392	0.275	0.875	-0.6	0			
17.2504	-12.392	0.275	0.875	-0.6	0			
18.2504	-12.392	0.275	0.875	-0.6	0			
19.2504	-12.392	0.25	0.875	-0.625	0			
20.2504	-12.392	0.25	0.875	-0.625	0			
21.2504	-12.392	0.25	0.875	-0.625	0			
22.2504	-12.392	0.25	0.825	-0.625	-0.05			
23.2504	-12.392	0.25	0.8	-0.625	-0.075			
24.2504	-12.392	0.275	0.825	-0.6	-0.05			
25.2504	-12.392	0.275	0.875	-0.6	0			
26.2504	-12.392	0.275	0.875	-0.6	0			
27.2504	-12.392	0.275	0.85	-0.6	-0.025			
28.2504	-12.392	0.275	0.85	-0.6	-0.025			
29.2504	-12.392	0.3	0.85	-0.575	-0.025			
30.2504	-12.392	0.325	0.85	-0.55	-0.025			
31.2504	-12.392	0.325	0.85	-0.55	-0.025			
32.2504	-12.392	0.275	0.85	-0.6	-0.025			
33.2504	-12.392	0.275	0.85	-0.6	-0.025			
34.2504	-12.392	0.275	0.85	-0.6	-0.025			
35.2504	-12.392	0.275	0.85	-0.6	-0.025			
36.2504	-12.392	0.275	0.8	-0.6	-0.075			
37.2504	-12.392	0.275	0.8	-0.6	-0.075			
38.2504	-12.392	0.35	0.875	-0.525	0			
39.2504	-12.392	0.4	0.875	-0.475	0			
40.2504	-12.392	0.3	0.875	-0.575	0			
41.2504	-12.392	0.3	0.875	-0.575	0			
42.2504	-12.392	0.4	0.875	-0.475	0			
43.2504	-12.392	0.4	0.875	-0.475	0			
44.2504	-12.392	0.45	0.875	-0.425	0			
45.2504	-12.392	0.325	0.775	-0.55	-0.1			
46.2504	-12.392	0.35	0.775	-0.525	-0.1			
47.2504	-12.392	0.4	0.775	-0.475	-0.1			
48.2504	-12.392	0.45	0.85	-0.425	-0.025			
49.2504	-12.392	0.45	0.875	-0.425	0			
50.2504	-12.392	0.45	0.85	-0.425	-0.025			
51.2504	-12.392	0.5	0.85	-0.375	-0.025			
52.2504	-12.392	0.275	0.85	-0.6	-0.025			
53.2504	-12.392	0.275	0.85	-0.6	-0.025			
54.2504	-12.392	0.35	0.9	-0.525	0.025			
55.2504	-12.392	0.3	0.85	-0.575	-0.025			

56.2504	-12.392	0.4	0.85	-0.475	-0.025			
57.2504	-12.392	0.4	0.85	-0.475	-0.025			
58.2504	-12.392	0.4	0.85	-0.475	-0.025			
59.2504	-12.392	0.3	0.85	-0.575	-0.025			
60.2504	-12.392	0.4	0.85	-0.475	-0.025			
61.2504	-12.392	0.4	0.85	-0.475	-0.025			
62.2504	-12.392	0.4	0.85	-0.475	-0.025			
63.2504	-12.392	0.325	0.85	-0.55	-0.025			
64.2504	-12.392	0.4	0.85	-0.475	-0.025			
65.2504	-12.392	0.3	0.85	-0.575	-0.025			
66.2504	-12.392	0.275	0.85	-0.6	-0.025			
67.2504	-12.392	0.4	0.85	-0.475	-0.025			
68.2504	-12.392	0.275	0.85	-0.6	-0.025			
69.2504	-12.392	0.4	0.875	-0.475	0			
70.2504	-12.392	0.45	0.875	-0.425	0			
71.2504	-12.392	0.275	0.875	-0.6	0			
72.2504	-12.392	0.4	0.875	-0.475	0			
73.2504	-12.392	0.5	0.875	-0.375	0			
74.2504	-12.392	0.4	0.875	-0.475	0			
75.2504	-12.392	0.4	0.875	-0.475	0			
76.2504	-12.392	0.4	0.875	-0.475	0			
77.2504	-12.392	0.4	0.875	-0.475	0			
78.2504	-12.392	0.4	0.875	-0.475	0			
79.2504	-12.392	0.225	0.875	-0.65	0	0.875		0.3125
5.51605	-13.1665	0.425	0.9	-0.475	0			
6.51605	-13.1665	0.425	0.9	-0.475	0			
7.51605	-13.1665	0.425	0.9	-0.475	0			
8.51605	-13.1665	0.425	0.9	-0.475	0			
9.51605	-13.1665	0.425	0.9	-0.475	0			
10.51605	-13.1665	0.425	0.9	-0.475	0			
11.51605	-13.1665	0.3	0.9	-0.6	0			
12.51605	-13.1665	0.4	0.9	-0.5	0			
13.51605	-13.1665	0.4	0.9	-0.5	0			
14.51605	-13.1665	0.325	0.9	-0.575	0			
15.51605	-13.1665	0.4	0.9	-0.5	0			
16.51605	-13.1665	0.4	0.9	-0.5	0			
17.51605	-13.1665	0.4	0.9	-0.5	0			
18.51605	-13.1665	0.4	0.9	-0.5	0			
19.51605	-13.1665	0.4	0.9	-0.5	0			
20.51605	-13.1665	0.4	0.9	-0.5	0			
21.51605	-13.1665	0.4	0.9	-0.5	0			
22.51605	-13.1665	0.375	0.9	-0.525	0			
23.51605	-13.1665	0.375	0.9	-0.525	0			
24.51605	-13.1665	0.375	0.9	-0.525	0			
25.51605	-13.1665	0.275	0.9	-0.625	0			
26.51605	-13.1665	0.45	0.9	-0.45	0			
27.51605	-13.1665	0.35	0.9	-0.55	0			
28.51605	-13.1665	0.4	0.9	-0.5	0			

29.51605	-13.1665	0.4	0.9	-0.5	0			
30.51605	-13.1665	0.4	0.8	-0.5	-0.1			
31.51605	-13.1665	0.35	0.775	-0.55	-0.125			
32.51605	-13.1665	0.35	0.75	-0.55	-0.15			
33.51605	-13.1665	0.35	0.775	-0.55	-0.125			
34.51605	-13.1665	0.35	0.925	-0.55	0.025			
35.51605	-13.1665	0.4	0.925	-0.5	0.025			
36.51605	-13.1665	0.4	0.925	-0.5	0.025			
37.51605	-13.1665	0.4	0.875	-0.5	-0.025			
38.51605	-13.1665	0.35	0.875	-0.55	-0.025			
39.51605	-13.1665	0.4	0.9	-0.5	0			
40.51605	-13.1665	0.4	0.9	-0.5	0			
41.51605	-13.1665	0.4	0.85	-0.5	-0.05			
42.51605	-13.1665	0.35	0.85	-0.55	-0.05			
43.51605	-13.1665	0.275	0.85	-0.625	-0.05			
44.51605	-13.1665	0.275	0.85	-0.625	-0.05			
45.51605	-13.1665	0.4	0.85	-0.5	-0.05			
46.51605	-13.1665	0.425	0.85	-0.475	-0.05			
47.51605	-13.1665	0.4	0.85	-0.5	-0.05			
48.51605	-13.1665	0.45	0.85	-0.45	-0.05			
49.51605	-13.1665	0.375	0.85	-0.525	-0.05			
50.51605	-13.1665	0.275	0.775	-0.625	-0.125			
51.51605	-13.1665	0.275	0.875	-0.625	-0.025			
52.51605	-13.1665	0.275	0.875	-0.625	-0.025			
53.51605	-13.1665	0.275	0.875	-0.625	-0.025			
54.51605	-13.1665	0.275	0.875	-0.625	-0.025			
55.51605	-13.1665	0.275	0.875	-0.625	-0.025			
56.51605	-13.1665	0.275	0.875	-0.625	-0.025			
57.51605	-13.1665	0.275	0.875	-0.625	-0.025			
58.51605	-13.1665	0.275	0.875	-0.625	-0.025			
59.51605	-13.1665	0.275	0.875	-0.625	-0.025			
60.51605	-13.1665	0.275	0.875	-0.625	-0.025			
61.51605	-13.1665	0.275	0.875	-0.625	-0.025			
62.51605	-13.1665	0.275	0.9	-0.625	0			
63.51605	-13.1665	0.275	0.9	-0.625	0			
64.51605	-13.1665	0.35	0.9	-0.55	0			
65.51605	-13.1665	0.35	0.9	-0.55	0			
66.51605	-13.1665	0.35	0.9	-0.55	0			
67.51605	-13.1665	0.325	0.9	-0.575	0	0.9		0.1
5.7817	-13.941	0.45	0.9	-0.4375	0.0125			
6.7817	-13.941	0.4	0.9	-0.4875	0.0125			
7.7817	-13.941	0.4	0.9	-0.4875	0.0125			
8.7817	-13.941	0.4	0.9	-0.4875	0.0125			
9.7817	-13.941	0.35	0.9	-0.5375	0.0125			
10.7817	-13.941	0.325	0.9	-0.5625	0.0125			
11.7817	-13.941	0.325	0.85	-0.5625	-0.0375			
12.7817	-13.941	0.25	0.85	-0.6375	-0.0375			
13.7817	-13.941	0.25	0.85	-0.6375	-0.0375			

14.7817	-13.941	0.25	0.85	-0.6375	-0.0375			
15.7817	-13.941	0.25	0.875	-0.6375	-0.0125			
16.7817	-13.941	0.25	0.875	-0.6375	-0.0125			
17.7817	-13.941	0.25	0.875	-0.6375	-0.0125			
18.7817	-13.941	0.25	0.875	-0.6375	-0.0125			
19.7817	-13.941	0.25	0.875	-0.6375	-0.0125			
20.7817	-13.941	0.25	0.875	-0.6375	-0.0125			
21.7817	-13.941	0.25	0.875	-0.6375	-0.0125			
22.7817	-13.941	0.25	0.875	-0.6375	-0.0125			
23.7817	-13.941	0.25	0.875	-0.6375	-0.0125			
24.7817	-13.941	0.275	0.875	-0.6125	-0.0125			
25.7817	-13.941	0.3	0.875	-0.5875	-0.0125			
26.7817	-13.941	0.35	0.875	-0.5375	-0.0125			
27.7817	-13.941	0.25	0.875	-0.6375	-0.0125			
28.7817	-13.941	0.35	0.875	-0.5375	-0.0125			
29.7817	-13.941	0.35	0.875	-0.5375	-0.0125			
30.7817	-13.941	0.35	0.825	-0.5375	-0.0625			
31.7817	-13.941	0.35	0.825	-0.5375	-0.0625			
32.7817	-13.941	0.35	0.8	-0.5375	-0.0875			
33.7817	-13.941	0.35	0.8	-0.5375	-0.0875			
34.7817	-13.941	0.3	0.8	-0.5875	-0.0875			
35.7817	-13.941	0.4	0.85	-0.4875	-0.0375			
36.7817	-13.941	0.4	0.85	-0.4875	-0.0375			
37.7817	-13.941	0.4	0.85	-0.4875	-0.0375			
38.7817	-13.941	0.4	0.85	-0.4875	-0.0375			
39.7817	-13.941	0.4	0.85	-0.4875	-0.0375			
40.7817	-13.941	0.4	0.85	-0.4875	-0.0375			
41.7817	-13.941	0.4	0.85	-0.4875	-0.0375			
42.7817	-13.941	0.4	0.85	-0.4875	-0.0375			
43.7817	-13.941	0.25	0.85	-0.6375	-0.0375			
44.7817	-13.941	0.25	0.85	-0.6375	-0.0375			
45.7817	-13.941	0.3	0.775	-0.5875	-0.1125			
46.7817	-13.941	0.3	0.775	-0.5875	-0.1125			
47.7817	-13.941	0.325	0.775	-0.5625	-0.1125			
48.7817	-13.941	0.275	0.775	-0.6125	-0.1125			
49.7817	-13.941	0.4	0.775	-0.4875	-0.1125			
50.7817	-13.941	0.375	0.875	-0.5125	-0.0125			
51.7817	-13.941	0.375	0.875	-0.5125	-0.0125			
52.7817	-13.941	0.3	0.875	-0.5875	-0.0125			
53.7817	-13.941	0.3	0.875	-0.5875	-0.0125			
54.7817	-13.941	0.3	0.875	-0.5875	-0.0125			
55.7817	-13.941	0.3	0.875	-0.5875	-0.0125			
56.7817	-13.941	0.3	0.875	-0.5875	-0.0125			
57.7817	-13.941	0.3	0.875	-0.5875	-0.0125			
58.7817	-13.941	0.375	0.875	-0.5125	-0.0125			
59.7817	-13.941	0.375	0.875	-0.5125	-0.0125			
60.7817	-13.941	0.375	0.875	-0.5125	-0.0125			
61.7817	-13.941	0.375	0.875	-0.5125	-0.0125			

62.7817	-13.941	0.375	0.875	-0.5125	-0.0125			
63.7817	-13.941	0.375	0.875	-0.5125	-0.0125			
64.7817	-13.941	0.375	0.875	-0.5125	-0.0125			
65.7817	-13.941	0.375	0.875	-0.5125	-0.0125			
66.7817	-13.941	0.375	0.875	-0.5125	-0.0125			
67.7817	-13.941	0.375	0.875	-0.5125	-0.0125			
68.7817	-13.941	0.275	0.875	-0.6125	-0.0125			
69.7817	-13.941	0.425	0.875	-0.4625	-0.0125			
70.7817	-13.941	0.4	0.875	-0.4875	-0.0125			
71.7817	-13.941	0.4	0.875	-0.4875	-0.0125			
72.7817	-13.941	0.425	0.875	-0.4625	-0.0125			
73.7817	-13.941	0.425	0.875	-0.4625	-0.0125			
74.7817	-13.941	0.425	0.875	-0.4625	-0.0125			
75.7817	-13.941	0.425	0.875	-0.4625	-0.0125			
76.7817	-13.941	0.425	0.875	-0.4625	-0.0125			
77.7817	-13.941	0.425	0.875	-0.4625	-0.0125			
78.7817	-13.941	0.425	0.875	-0.4625	-0.0125			
79.7817	-13.941	0.425	0.875	-0.4625	-0.0125	0.8875		0.4375
6.04735	-14.7155	0.4	0.9	-0.475	0.025			
7.04735	-14.7155	0.4	0.9	-0.475	0.025			
8.04735	-14.7155	0.4	0.9	-0.475	0.025			
9.04735	-14.7155	0.4	0.9	-0.475	0.025			
10.04735	-14.7155	0.4	0.9	-0.475	0.025			
11.04735	-14.7155	0.4	0.9	-0.475	0.025			
12.04735	-14.7155	0.4	0.925	-0.475	0.05			
13.04735	-14.7155	0.4	0.9	-0.475	0.025			
14.04735	-14.7155	0.4	0.9	-0.475	0.025			
15.04735	-14.7155	0.4	0.9	-0.475	0.025			
16.04735	-14.7155	0.4	0.9	-0.475	0.025			
17.04735	-14.7155	0.4	0.9	-0.475	0.025			
18.04735	-14.7155	0.4	0.9	-0.475	0.025			
19.04735	-14.7155	0.425	0.9	-0.45	0.025			
20.04735	-14.7155	0.425	0.9	-0.45	0.025			
21.04735	-14.7155	0.425	0.9	-0.45	0.025			
22.04735	-14.7155	0.35	0.9	-0.525	0.025			
23.04735	-14.7155	0.35	0.9	-0.525	0.025			
24.04735	-14.7155	0.25	0.9	-0.625	0.025			
25.04735	-14.7155	0.3	0.9	-0.575	0.025			
26.04735	-14.7155	0.35	0.9	-0.525	0.025			
27.04735	-14.7155	0.35	0.9	-0.525	0.025			
28.04735	-14.7155	0.35	0.9	-0.525	0.025			
29.04735	-14.7155	0.35	0.9	-0.525	0.025			
30.04735	-14.7155	0.3	0.8	-0.575	-0.075			
31.04735	-14.7155	0.35	0.8	-0.525	-0.075			
32.04735	-14.7155	0.3	0.8	-0.575	-0.075			
33.04735	-14.7155	0.35	0.85	-0.525	-0.025			
34.04735	-14.7155	0.425	0.9	-0.45	0.025			
35.04735	-14.7155	0.4	0.9	-0.475	0.025			

36.04735	-14.7155	0.35	0.875	-0.525	0			
37.04735	-14.7155	0.35	0.85	-0.525	-0.025			
38.04735	-14.7155	0.35	0.85	-0.525	-0.025			
39.04735	-14.7155	0.375	0.875	-0.5	0			
40.04735	-14.7155	0.325	0.9	-0.55	0.025			
41.04735	-14.7155	0.4	0.9	-0.475	0.025			
42.04735	-14.7155	0.375	0.9	-0.5	0.025			
43.04735	-14.7155	0.35	0.85	-0.525	-0.025			
44.04735	-14.7155	0.35	0.85	-0.525	-0.025			
45.04735	-14.7155	0.35	0.85	-0.525	-0.025			
46.04735	-14.7155	0.35	0.85	-0.525	-0.025			
47.04735	-14.7155	0.35	0.85	-0.525	-0.025			
48.04735	-14.7155	0.325	0.875	-0.55	0			
49.04735	-14.7155	0.325	0.875	-0.55	0			
50.04735	-14.7155	0.45	0.875	-0.425	0			
51.04735	-14.7155	0.45	0.875	-0.425	0			
52.04735	-14.7155	0.45	0.9	-0.425	0.025			
53.04735	-14.7155	0.45	0.9	-0.425	0.025			
54.04735	-14.7155	0.2	0.9	-0.675	0.025			
55.04735	-14.7155	0.25	0.9	-0.625	0.025			
56.04735	-14.7155	0.25	0.9	-0.625	0.025			
57.04735	-14.7155	0.25	0.875	-0.625	0			
58.04735	-14.7155	0.35	0.875	-0.525	0			
59.04735	-14.7155	0.35	0.825	-0.525	-0.05			
60.04735	-14.7155	0.3	0.825	-0.575	-0.05			
61.04735	-14.7155	0.4	0.875	-0.475	0			
62.04735	-14.7155	0.4	0.875	-0.475	0			
63.04735	-14.7155	0.325	0.825	-0.55	-0.05			
64.04735	-14.7155	0.325	0.85	-0.55	-0.025			
65.04735	-14.7155	0.325	0.85	-0.55	-0.025			
66.04735	-14.7155	0.325	0.85	-0.55	-0.025			
67.04735	-14.7155	0.35	0.85	-0.525	-0.025			
68.04735	-14.7155	0.3	0.85	-0.575	-0.025	0.875		0.35
6.313	-15.49	0.4	0.875	-0.475	0			
7.313	-15.49	0.4	0.875	-0.475	0			
8.313	-15.49	0.4	0.875	-0.475	0			
9.313	-15.49	0.4	0.875	-0.475	0			
10.313	-15.49	0.4	0.875	-0.475	0			
11.313	-15.49	0.35	0.875	-0.525	0			
12.313	-15.49	0.3	0.875	-0.575	0			
13.313	-15.49	0.35	0.875	-0.525	0			
14.313	-15.49	0.375	0.875	-0.5	0			
15.313	-15.49	0.35	0.875	-0.525	0			
16.313	-15.49	0.275	0.875	-0.6	0			
17.313	-15.49	0.275	0.875	-0.6	0			
18.313	-15.49	0.275	0.875	-0.6	0			
19.313	-15.49	0.275	0.875	-0.6	0			
20.313	-15.49	0.275	0.875	-0.6	0			

21.313	-15.49	0.275	0.875	-0.6	0			
22.313	-15.49	0.275	0.8	-0.6	-0.075			
23.313	-15.49	0.3	0.875	-0.575	0			
24.313	-15.49	0.35	0.875	-0.525	0			
25.313	-15.49	0.25	0.875	-0.625	0			
26.313	-15.49	0.3	0.875	-0.575	0			
27.313	-15.49	0.25	0.875	-0.625	0			
28.313	-15.49	0.25	0.875	-0.625	0			
29.313	-15.49	0.25	0.875	-0.625	0			
30.313	-15.49	0.25	0.875	-0.625	0			
31.313	-15.49	0.4	0.875	-0.475	0			
32.313	-15.49	0.275	0.875	-0.6	0			
33.313	-15.49	0.275	0.875	-0.6	0			
34.313	-15.49	0.275	0.875	-0.6	0			
35.313	-15.49	0.4	0.875	-0.475	0			
36.313	-15.49	0.35	0.875	-0.525	0			
37.313	-15.49	0.375	0.875	-0.5	0			
38.313	-15.49	0.375	0.875	-0.5	0			
39.313	-15.49	0.375	0.875	-0.5	0			
40.313	-15.49	0.375	0.875	-0.5	0			
41.313	-15.49	0.375	0.875	-0.5	0			
42.313	-15.49	0.375	0.875	-0.5	0			
43.313	-15.49	0.375	0.875	-0.5	0			
44.313	-15.49	0.4	0.875	-0.475	0			
45.313	-15.49	0.375	0.825	-0.5	-0.05			
46.313	-15.49	0.35	0.8	-0.525	-0.075			
47.313	-15.49	0.375	0.825	-0.5	-0.05			
48.313	-15.49	0.35	0.825	-0.525	-0.05			
49.313	-15.49	0.45	0.825	-0.425	-0.05			
50.313	-15.49	0.4	0.875	-0.475	0			
51.313	-15.49	0.4	0.875	-0.475	0			
52.313	-15.49	0.4	0.875	-0.475	0			
53.313	-15.49	0.4	0.875	-0.475	0			
54.313	-15.49	0.4	0.875	-0.475	0			
55.313	-15.49	0.3	0.875	-0.575	0			
56.313	-15.49	0.375	0.875	-0.5	0			
57.313	-15.49	0.35	0.875	-0.525	0			
58.313	-15.49	0.375	0.875	-0.5	0			
59.313	-15.49	0.375	0.875	-0.5	0			
60.313	-15.49	0.425	0.875	-0.45	0			
61.313	-15.49	0.425	0.875	-0.45	0			
62.313	-15.49	0.375	0.875	-0.5	0			
63.313	-15.49	0.35	0.875	-0.525	0			
64.313	-15.49	0.35	0.875	-0.525	0			
65.313	-15.49	0.35	0.875	-0.525	0			
66.313	-15.49	0.35	0.875	-0.525	0			
67.313	-15.49	0.375	0.875	-0.5	0			
68.313	-15.49	0.375	0.875	-0.5	0			

69.313	-15.49	0.375	0.875	-0.5	0			
70.313	-15.49	0.4	0.875	-0.475	0			
71.313	-15.49	0.375	0.875	-0.5	0			
72.313	-15.49	0.375	0.875	-0.5	0			
73.313	-15.49	0.375	0.875	-0.5	0			
74.313	-15.49	0.375	0.875	-0.5	0			
75.313	-15.49	0.375	0.875	-0.5	0			
76.313	-15.49	0.375	0.875	-0.5	0			
77.313	-15.49	0.375	1	-0.5	0.125			
78.313	-15.49	0.375	1	-0.5	0.125			
79.313	-15.49	0.375	1	-0.5	0.125			
80.313	-15.49	0.375	0.875	-0.5	0	0.875		0.3875
6.57865	-16.2645	0.4	0.9	-0.4875	0.0125			
7.57865	-16.2645	0.4	0.9	-0.4875	0.0125			
8.57865	-16.2645	0.4	0.9	-0.4875	0.0125			
9.57865	-16.2645	0.475	0.9	-0.4125	0.0125			
10.57865	-16.2645	0.4	0.9	-0.4875	0.0125			
11.57865	-16.2645	0.4	0.9	-0.4875	0.0125			
12.57865	-16.2645	0.45	0.9	-0.4375	0.0125			
13.57865	-16.2645	0.425	0.9	-0.4625	0.0125			
14.57865	-16.2645	0.4	0.9	-0.4875	0.0125			
15.57865	-16.2645	0.4	0.9	-0.4875	0.0125			
16.57865	-16.2645	0.45	0.9	-0.4375	0.0125			
17.57865	-16.2645	0.45	0.9	-0.4375	0.0125			
18.57865	-16.2645	0.425	0.9	-0.4625	0.0125			
19.57865	-16.2645	0.4	0.9	-0.4875	0.0125			
20.57865	-16.2645	0.4	0.9	-0.4875	0.0125			
21.57865	-16.2645	0.4	0.9	-0.4875	0.0125			
22.57865	-16.2645	0.375	0.9	-0.5125	0.0125			
23.57865	-16.2645	0.375	0.975	-0.5125	0.0875			
24.57865	-16.2645	0.3	0.975	-0.5875	0.0875			
25.57865	-16.2645	0.45	0.9	-0.4375	0.0125			
26.57865	-16.2645	0.375	0.9	-0.5125	0.0125			
27.57865	-16.2645	0.375	0.9	-0.5125	0.0125			
28.57865	-16.2645	0.425	0.9	-0.4625	0.0125			
29.57865	-16.2645	0.425	0.9	-0.4625	0.0125			
30.57865	-16.2645	0.4	0.9	-0.4875	0.0125			
31.57865	-16.2645	0.325	0.75	-0.5625	-0.1375			
32.57865	-16.2645	0.3	0.75	-0.5875	-0.1375			
33.57865	-16.2645	0.375	0.775	-0.5125	-0.1125			
34.57865	-16.2645	0.35	0.85	-0.5375	-0.0375			
35.57865	-16.2645	0.35	0.9	-0.5375	0.0125			
36.57865	-16.2645	0.375	0.9	-0.5125	0.0125			
37.57865	-16.2645	0.4	0.9	-0.4875	0.0125			
38.57865	-16.2645	0.375	0.9	-0.5125	0.0125			
39.57865	-16.2645	0.375	0.9	-0.5125	0.0125			
40.57865	-16.2645	0.375	0.9	-0.5125	0.0125			
41.57865	-16.2645	0.375	0.9	-0.5125	0.0125			

42.57865	-16.2645	0.375	0.9	-0.5125	0.0125			
43.57865	-16.2645	0.375	0.875	-0.5125	-0.0125			
44.57865	-16.2645	0.375	0.85	-0.5125	-0.0375			
45.57865	-16.2645	0.375	0.85	-0.5125	-0.0375			
46.57865	-16.2645	0.5	0.875	-0.3875	-0.0125			
47.57865	-16.2645	0.5	0.875	-0.3875	-0.0125			
48.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
49.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
50.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
51.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
52.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
53.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
54.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
55.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
56.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
57.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
58.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
59.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
60.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
61.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
62.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
63.57865	-16.2645	0.275	0.875	-0.6125	-0.0125			
64.57865	-16.2645	0.3	0.875	-0.5875	-0.0125			
65.57865	-16.2645	0.325	0.875	-0.5625	-0.0125			
66.57865	-16.2645	0.35	0.875	-0.5375	-0.0125			
67.57865	-16.2645	0.3	0.875	-0.5875	-0.0125			
68.57865	-16.2645	0.275	0.875	-0.6125	-0.0125	0.8875		0.3375
6.8443	-17.039	0.4	0.9	-0.5	0			
7.8443	-17.039	0.4	0.9	-0.5	0			
8.8443	-17.039	0.4	0.9	-0.5	0			
9.8443	-17.039	0.4	0.9	-0.5	0			
10.8443	-17.039	0.4	0.9	-0.5	0			
11.8443	-17.039	0.4	0.9	-0.5	0			
12.8443	-17.039	0.4	0.9	-0.5	0			
13.8443	-17.039	0.3	0.825	-0.6	-0.075			
14.8443	-17.039	0.3	0.825	-0.6	-0.075			
15.8443	-17.039	0.35	0.875	-0.55	-0.025			
16.8443	-17.039	0.375	0.8	-0.525	-0.1			
17.8443	-17.039	0.3	0.9	-0.6	0			
18.8443	-17.039	0.275	0.9	-0.625	0			
19.8443	-17.039	0.275	0.9	-0.625	0			
20.8443	-17.039	0.275	0.9	-0.625	0			
21.8443	-17.039	0.275	0.9	-0.625	0			
22.8443	-17.039	0.275	0.9	-0.625	0			
23.8443	-17.039	0.275	0.9	-0.625	0			
24.8443	-17.039	0.275	0.9	-0.625	0			
25.8443	-17.039	0.275	0.9	-0.625	0			
26.8443	-17.039	0.275	0.9	-0.625	0			

27.8443	-17.039	0.275	0.9	-0.625	0			
28.8443	-17.039	0.275	0.925	-0.625	0.025			
29.8443	-17.039	0.275	0.925	-0.625	0.025			
30.8443	-17.039	0.275	0.875	-0.625	-0.025			
31.8443	-17.039	0.25	0.875	-0.65	-0.025			
32.8443	-17.039	0.25	0.875	-0.65	-0.025			
33.8443	-17.039	0.25	0.875	-0.65	-0.025			
34.8443	-17.039	0.25	0.875	-0.65	-0.025			
35.8443	-17.039	0.35	0.825	-0.55	-0.075			
36.8443	-17.039	0.35	0.8	-0.55	-0.1			
37.8443	-17.039	0.35	0.825	-0.55	-0.075			
38.8443	-17.039	0.35	0.825	-0.55	-0.075			
39.8443	-17.039	0.35	0.825	-0.55	-0.075			
40.8443	-17.039	0.35	0.825	-0.55	-0.075			
41.8443	-17.039	0.35	0.825	-0.55	-0.075			
42.8443	-17.039	0.35	0.9	-0.55	0			
43.8443	-17.039	0.4	0.9	-0.5	0			
44.8443	-17.039	0.45	0.9	-0.45	0			
45.8443	-17.039	0.4	0.825	-0.5	-0.075			
46.8443	-17.039	0.375	0.825	-0.525	-0.075			
47.8443	-17.039	0.35	0.8	-0.55	-0.1			
48.8443	-17.039	0.325	0.725	-0.575	-0.175			
49.8443	-17.039	0.35	0.875	-0.55	-0.025			
50.8443	-17.039	0.4	0.875	-0.5	-0.025			
51.8443	-17.039	0.4	0.9	-0.5	0			
52.8443	-17.039	0.4	0.9	-0.5	0			
53.8443	-17.039	0.4	0.9	-0.5	0			
54.8443	-17.039	0.4	0.9	-0.5	0			
55.8443	-17.039	0.3	0.9	-0.6	0			
56.8443	-17.039	0.325	0.9	-0.575	0			
57.8443	-17.039	0.4	0.9	-0.5	0			
58.8443	-17.039	0.4	0.9	-0.5	0			
59.8443	-17.039	0.4	0.9	-0.5	0			
60.8443	-17.039	0.4	0.9	-0.5	0			
61.8443	-17.039	0.45	0.9	-0.45	0			
62.8443	-17.039	0.4	0.9	-0.5	0			
63.8443	-17.039	0.475	0.9	-0.425	0			
64.8443	-17.039	0.45	0.9	-0.45	0			
65.8443	-17.039	0.375	0.85	-0.525	-0.05			
66.8443	-17.039	0.425	0.9	-0.475	0			
67.8443	-17.039	0.425	0.9	-0.475	0			
68.8443	-17.039	0.425	0.9	-0.475	0			
69.8443	-17.039	0.425	0.9	-0.475	0			
70.8443	-17.039	0.45	0.9	-0.45	0			
71.8443	-17.039	0.4	0.9	-0.5	0			
72.8443	-17.039	0.4	0.9	-0.5	0			
73.8443	-17.039	0.45	0.9	-0.45	0			
74.8443	-17.039	0.45	0.9	-0.45	0			

75.8443	-17.039	0.4	0.9	-0.5	0			
76.8443	-17.039	0.375	0.9	-0.525	0			
77.8443	-17.039	0.4	0.9	-0.5	0			
78.8443	-17.039	0.45	0.9	-0.45	0			
79.8443	-17.039	0.45	0.9	-0.45	0			
80.8443	-17.039	0.45	0.9	-0.45	0	0.9		0.425
7.10995	-17.8135	0.4	0.9	-0.5	0			
8.10995	-17.8135	0.35	0.9	-0.55	0			
9.10995	-17.8135	0.35	0.9	-0.55	0			
10.10995	-17.8135	0.4	0.9	-0.5	0			
11.10995	-17.8135	0.4	0.9	-0.5	0			
12.10995	-17.8135	0.4	0.9	-0.5	0			
13.10995	-17.8135	0.4	0.9	-0.5	0			
14.10995	-17.8135	0.4	0.9	-0.5	0			
15.10995	-17.8135	0.4	0.9	-0.5	0			
16.10995	-17.8135	0.4	0.9	-0.5	0			
17.10995	-17.8135	0.4	0.9	-0.5	0			
18.10995	-17.8135	0.4	0.9	-0.5	0			
19.10995	-17.8135	0.4	0.9	-0.5	0			
20.10995	-17.8135	0.4	0.9	-0.5	0			
21.10995	-17.8135	0.35	0.9	-0.55	0			
22.10995	-17.8135	0.4	0.9	-0.5	0			
23.10995	-17.8135	0.375	0.9	-0.525	0			
24.10995	-17.8135	0.35	0.9	-0.55	0			
25.10995	-17.8135	0.375	0.9	-0.525	0			
26.10995	-17.8135	0.4	0.9	-0.5	0			
27.10995	-17.8135	0.4	0.9	-0.5	0			
28.10995	-17.8135	0.425	0.9	-0.475	0			
29.10995	-17.8135	0.425	0.9	-0.475	0			
30.10995	-17.8135	0.425	0.9	-0.475	0			
31.10995	-17.8135	0.4	0.9	-0.5	0			
32.10995	-17.8135	0.35	0.875	-0.55	-0.025			
33.10995	-17.8135	0.35	0.85	-0.55	-0.05			
34.10995	-17.8135	0.35	0.825	-0.55	-0.075			
35.10995	-17.8135	0.35	0.85	-0.55	-0.05			
36.10995	-17.8135	0.4	0.85	-0.5	-0.05			
37.10995	-17.8135	0.4	0.85	-0.5	-0.05			
38.10995	-17.8135	0.375	0.85	-0.525	-0.05			
39.10995	-17.8135	0.375	0.85	-0.525	-0.05			
40.10995	-17.8135	0.375	0.85	-0.525	-0.05			
41.10995	-17.8135	0.375	0.85	-0.525	-0.05			
42.10995	-17.8135	0.35	0.85	-0.55	-0.05			
43.10995	-17.8135	0.325	0.85	-0.575	-0.05			
44.10995	-17.8135	0.35	0.85	-0.55	-0.05			
45.10995	-17.8135	0.325	0.85	-0.575	-0.05			
46.10995	-17.8135	0.35	0.85	-0.55	-0.05			
47.10995	-17.8135	0.375	0.85	-0.525	-0.05			
48.10995	-17.8135	0.35	0.85	-0.55	-0.05			

49.10995	-17.8135	0.375	0.85	-0.525	-0.05			
50.10995	-17.8135	0.3	0.85	-0.6	-0.05			
51.10995	-17.8135	0.3	0.85	-0.6	-0.05			
52.10995	-17.8135	0.3	0.85	-0.6	-0.05			
53.10995	-17.8135	0.275	0.85	-0.625	-0.05			
54.10995	-17.8135	0.275	0.85	-0.625	-0.05			
55.10995	-17.8135	0.275	0.85	-0.625	-0.05			
56.10995	-17.8135	0.275	0.85	-0.625	-0.05			
57.10995	-17.8135	0.275	0.85	-0.625	-0.05			
58.10995	-17.8135	0.275	0.85	-0.625	-0.05			
59.10995	-17.8135	0.275	0.85	-0.625	-0.05			
60.10995	-17.8135	0.3	0.825	-0.6	-0.075			
61.10995	-17.8135	0.3	0.85	-0.6	-0.05			
62.10995	-17.8135	0.3	0.85	-0.6	-0.05			
63.10995	-17.8135	0.3	0.85	-0.6	-0.05			
64.10995	-17.8135	0.3	0.85	-0.6	-0.05			
65.10995	-17.8135	0.275	0.85	-0.625	-0.05			
66.10995	-17.8135	0.275	0.85	-0.625	-0.05			
67.10995	-17.8135	0.275	0.825	-0.625	-0.075			
68.10995	-17.8135	0.275	0.825	-0.625	-0.075			
69.10995	-17.8135	0.275	0.9	-0.625	0	0.9		0.3375

			Grid 1					
Distance (x) (meters)	Surface (y) (meters)	Hoizon 1	Horizon 2	H1 COR	H2 COR	Manipulation Value	Angle of Cemetery	Average
							0.26565	
1	0	0.375	0.275	-0.04467	-0.56			
2	0	0.375	0.275	-0.04467	-0.56			
3	0	0.375	0.3	-0.04467	-0.535			
4	0	0.325	0.25	-0.09467	-0.585			
5	0	0.3	0.875	-0.11967	0.04			
6	0	0.3	0.875	-0.11967	0.04			
7	0	0.3	0.875	-0.11967	0.04			
8	0	0.3	0.875	-0.11967	0.04			
9	0	0.3	0.875	-0.11967	0.04			
10	0	0.3	0.875	-0.11967	0.04			
11	0	0.3	0.875	-0.11967	0.04			
12	0	0.3	0.875	-0.11967	0.04			
13	0	0.4	0.875	-0.01967	0.04			
14	0	0.4	0.875	-0.01967	0.04			
15	0	0.4	0.875	-0.01967	0.04			
16	0	0.4	0.875	-0.01967	0.04			
17	0	0.475	0.875	0.055333	0.04			
18	0	0.4	0.875	-0.01967	0.04			
19	0	0.4	0.875	-0.01967	0.04			
20	0	0.4	0.875	-0.01967	0.04			
21	0	0.4	0.875	-0.01967	0.04			
22	0	0.4	0.875	-0.01967	0.04			
23	0	0.4	0.825	-0.01967	-0.01			
24	0	0.475	0.825	0.055333	-0.01			
25	0	0.4	0.85	-0.01967	0.015			
26	0	0.4	0.9	-0.01967	0.065			
27	0	0.4	0.875	-0.01967	0.04			
28	0	0.375	0.85	-0.04467	0.015			
29	0	0.375	0.85	-0.04467	0.015			
30	0	0.375	0.85	-0.04467	0.015			
31	0	0.375	0.85	-0.04467	0.015			
32	0	0.375	0.85	-0.04467	0.015			
33	0	0.425	0.85	0.005333	0.015			
34	0	0.425	0.85	0.005333	0.015			
35	0	0.425	0.85	0.005333	0.015			
36	0	0.425	0.85	0.005333	0.015			
37	0	0.5	0.85	0.080333	0.015			
38	0	0.5	0.8	0.080333	-0.035			
39	0	0.4	0.75	-0.01967	-0.085			

40	0	0.4	0.75	-0.01967	-0.085			
41	0	0.4	0.8	-0.01967	-0.035			
42	0	0.5	0.875	0.080333	0.04			
43	0	0.5	0.875	0.080333	0.04			
44	0	0.5	0.875	0.080333	0.04			
45	0	0.5	0.9	0.080333	0.065			
46	0	0.45	0.9	0.030333	0.065			
47	0	0.475	0.925	0.055333	0.09			
48	0	0.475	0.875	0.055333	0.04			
49	0	0.5	0.875	0.080333	0.04			
50	0	0.5	0.875	0.080333	0.04			
51	0	0.5	0.875	0.080333	0.04			
52	0	0.5	0.875	0.080333	0.04			
53	0	0.5	0.875	0.080333	0.04			
54	0	0.5	0.875	0.080333	0.04			
55	0	0.5	0.875	0.080333	0.04			
56	0	0.5	0.875	0.080333	0.04			
57	0	0.5	0.875	0.080333	0.04			
58	0	0.5	0.875	0.080333	0.04			
59	0	0.5	0.875	0.080333	0.04			
60	0	0.5	0.875	0.080333	0.04			
61	0	0.5	0.875	0.080333	0.04			
62	0	0.5	0.875	0.080333	0.04			
63	0	0.5	0.875	0.080333	0.04			
1.26565	0	0.475	0.875	0.055333	0.04			
2.26565	0	0.45	0.875	0.030333	0.04			
3.26565	0	0.45	0.875	0.030333	0.04			
4.26565	0	0.4	0.875	-0.01967	0.04			
5.26565	0	0.475	0.925	0.055333	0.09			
6.26565	0	0.5	0.875	0.080333	0.04			
7.26565	0	0.3	0.875	-0.11967	0.04			
8.26565	0	0.3	0.875	-0.11967	0.04			
9.26565	0	0.375	0.875	-0.04467	0.04			
10.26565	0	0.375	0.875	-0.04467	0.04			
11.26565	0	0.375	0.875	-0.04467	0.04			
12.26565	0	0.325	0.875	-0.09467	0.04	0.419666667		0.835
13.26565	-0.7745	0.4	0.875	-0.01349	0.01627			
14.26565	-0.7745	0.4	0.875	-0.01349	0.01627			
15.26565	-0.7745	0.4	0.875	-0.01349	0.01627			
16.26565	-0.7745	0.5	0.875	0.086508	0.01627			
17.26565	-0.7745	0.5	0.875	0.086508	0.01627			
18.26565	-0.7745	0.5	0.875	0.086508	0.01627			
19.26565	-0.7745	0.5	0.875	0.086508	0.01627			
20.26565	-0.7745	0.5	0.875	0.086508	0.01627			
21.26565	-0.7745	0.5	0.875	0.086508	0.01627			
22.26565	-0.7745	0.5	0.875	0.086508	0.01627			
23.26565	-0.7745	0.5	0.875	0.086508	0.01627			
24.26565	-0.7745	0.5	0.875	0.086508	0.01627			

25.26565	-0.7745	0.5	0.875	0.086508	0.01627			
26.26565	-0.7745	0.5	0.875	0.086508	0.01627			
27.26565	-0.7745	0.5	0.925	0.086508	0.06627			
28.26565	-0.7745	0.5	0.925	0.086508	0.06627			
29.26565	-0.7745	0.5	0.875	0.086508	0.01627			
30.26565	-0.7745	0.45	0.9	0.036508	0.04127			
31.26565	-0.7745	0.45	0.875	0.036508	0.01627			
32.26565	-0.7745	0.475	0.875	0.061508	0.01627			
33.26565	-0.7745	0.5	0.875	0.086508	0.01627			
34.26565	-0.7745	0.5	0.875	0.086508	0.01627			
35.26565	-0.7745	0.5	0.85	0.086508	-0.00873			
36.26565	-0.7745	0.5	0.8	0.086508	-0.05873			
37.26565	-0.7745	0.3	0.75	-0.11349	-0.10873			
38.26565	-0.7745	0.275	0.75	-0.13849	-0.10873			
39.26565	-0.7745	0.25	0.75	-0.16349	-0.10873			
40.26565	-0.7745	0.25	0.8	-0.16349	-0.05873			
41.26565	-0.7745	0.25	0.825	-0.16349	-0.03373			
42.26565	-0.7745	0.45	0.825	0.036508	-0.03373			
43.26565	-0.7745	0.45	0.825	0.036508	-0.03373			
44.26565	-0.7745	0.45	0.825	0.036508	-0.03373			
45.26565	-0.7745	0.45	0.825	0.036508	-0.03373			
46.26565	-0.7745	0.375	0.825	-0.03849	-0.03373			
47.26565	-0.7745	0.375	0.825	-0.03849	-0.03373			
48.26565	-0.7745	0.375	0.825	-0.03849	-0.03373			
49.26565	-0.7745	0.375	0.825	-0.03849	-0.03373			
50.26565	-0.7745	0.375	0.825	-0.03849	-0.03373			
51.26565	-0.7745	0.375	0.825	-0.03849	-0.03373			
52.26565	-0.7745	0.375	0.825	-0.03849	-0.03373			
53.26565	-0.7745	0.5	0.825	0.086508	-0.03373			
54.26565	-0.7745	0.425	0.825	0.011508	-0.03373			
55.26565	-0.7745	0.425	0.825	0.011508	-0.03373			
56.26565	-0.7745	0.4	0.875	-0.01349	0.01627			
57.26565	-0.7745	0.4	0.875	-0.01349	0.01627			
58.26565	-0.7745	0.4	0.875	-0.01349	0.01627			
59.26565	-0.7745	0.4	0.875	-0.01349	0.01627			
60.26565	-0.7745	0.4	0.875	-0.01349	0.01627			
61.26565	-0.7745	0.475	0.875	0.061508	0.01627			
62.26565	-0.7745	0.475	0.875	0.061508	0.01627			
63.26565	-0.7745	0.425	0.875	0.011508	0.01627			
1.5313	-0.7745	0.425	0.875	0.011508	0.01627			
2.5313	-0.7745	0.425	0.875	0.011508	0.01627			
3.5313	-0.7745	0.375	0.875	-0.03849	0.01627			
4.5313	-0.7745	0.3	0.875	-0.11349	0.01627			
5.5313	-0.7745	0.3	0.875	-0.11349	0.01627			
6.5313	-0.7745	0.3	0.95	-0.11349	0.09127			
7.5313	-0.7745	0.3	0.875	-0.11349	0.01627			
8.5313	-0.7745	0.3	0.875	-0.11349	0.01627			
9.5313	-0.7745	0.3	0.875	-0.11349	0.01627			

10.5313	-0.7745	0.3	0.875	-0.11349	0.01627			
11.5313	-0.7745	0.3	0.875	-0.11349	0.01627			
12.5313	-0.7745	0.375	0.95	-0.03849	0.09127	0.413492063		0.85873
13.5313	-1.549	0.475	0.8	0.020667	-0.05033			
14.5313	-1.549	0.475	0.8	0.020667	-0.05033			
15.5313	-1.549	0.475	0.8	0.020667	-0.05033			
16.5313	-1.549	0.475	0.825	0.020667	-0.02533			
17.5313	-1.549	0.475	0.825	0.020667	-0.02533			
18.5313	-1.549	0.475	0.825	0.020667	-0.02533			
19.5313	-1.549	0.475	0.825	0.020667	-0.02533			
20.5313	-1.549	0.475	0.825	0.020667	-0.02533			
21.5313	-1.549	0.475	0.825	0.020667	-0.02533			
22.5313	-1.549	0.475	0.825	0.020667	-0.02533			
23.5313	-1.549	0.475	0.825	0.020667	-0.02533			
24.5313	-1.549	0.475	0.825	0.020667	-0.02533			
25.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
26.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
27.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
28.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
29.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
30.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
31.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
32.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
33.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
34.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
35.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
36.5313	-1.549	0.475	0.825	0.020667	-0.02533			
37.5313	-1.549	0.475	0.825	0.020667	-0.02533			
38.5313	-1.549	0.475	0.825	0.020667	-0.02533			
39.5313	-1.549	0.475	0.825	0.020667	-0.02533			
40.5313	-1.549	0.475	0.825	0.020667	-0.02533			
41.5313	-1.549	0.475	0.825	0.020667	-0.02533			
42.5313	-1.549	0.475	0.825	0.020667	-0.02533			
43.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
44.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
45.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
46.5313	-1.549	0.4	0.825	-0.05433	-0.02533			
47.5313	-1.549	0.425	0.825	-0.02933	-0.02533			
48.5313	-1.549	0.425	0.825	-0.02933	-0.02533			
49.5313	-1.549	0.425	0.825	-0.02933	-0.02533			
50.5313	-1.549	0.475	0.825	0.020667	-0.02533			
51.5313	-1.549	0.475	0.75	0.020667	-0.10033			
52.5313	-1.549	0.45	0.75	-0.00433	-0.10033			
53.5313	-1.549	0.45	0.75	-0.00433	-0.10033			
54.5313	-1.549	0.45	0.75	-0.00433	-0.10033			
55.5313	-1.549	0.45	0.775	-0.00433	-0.07533			
56.5313	-1.549	0.5	0.825	0.045667	-0.02533			
57.5313	-1.549	0.5	0.9	0.045667	0.049667			

58.5313	-1.549	0.5	0.9	0.045667	0.049667			
59.5313	-1.549	0.5	0.9	0.045667	0.049667			
60.5313	-1.549	0.5	0.9	0.045667	0.049667			
61.5313	-1.549	0.5	0.9	0.045667	0.049667			
62.5313	-1.549	0.4	0.9	-0.05433	0.049667			
63.5313	-1.549	0.425	0.9	-0.02933	0.049667			
64.5313	-1.549	0.5	0.9	0.045667	0.049667			
65.5313	-1.549	0.5	0.9	0.045667	0.049667			
66.5313	-1.549	0.5	0.9	0.045667	0.049667			
67.5313	-1.549	0.5	0.9	0.045667	0.049667			
68.5313	-1.549	0.5	0.9	0.045667	0.049667			
69.5313	-1.549	0.5	0.9	0.045667	0.049667			
70.5313	-1.549	0.5	0.9	0.045667	0.049667			
71.5313	-1.549	0.5	0.9	0.045667	0.049667			
72.5313	-1.549	0.5	0.9	0.045667	0.049667			
73.5313	-1.549	0.425	0.9	-0.02933	0.049667			
74.5313	-1.549	0.425	0.9	-0.02933	0.049667			
75.5313	-1.549	0.475	0.9	0.020667	0.049667			
1.79695	-1.549	0.475	0.9	0.020667	0.049667			
2.79695	-1.549	0.425	0.9	-0.02933	0.049667			
3.79695	-1.549	0.425	0.9	-0.02933	0.049667			
4.79695	-1.549	0.425	0.9	-0.02933	0.049667			
5.79695	-1.549	0.425	0.9	-0.02933	0.049667			
6.79695	-1.549	0.425	0.9	-0.02933	0.049667			
7.79695	-1.549	0.475	0.9	0.020667	0.049667			
8.79695	-1.549	0.5	0.9	0.045667	0.049667			
9.79695	-1.549	0.5	0.9	0.045667	0.049667			
10.79695	-1.549	0.425	0.9	-0.02933	0.049667			
11.79695	-1.549	0.425	0.9	-0.02933	0.049667			
12.79695	-1.549	0.45	0.9	-0.00433	0.049667	0.454333333		0.850333
13.79695	-2.3235	0.35	0.875	-0.11468	0.028968			
14.79695	-2.3235	0.35	0.875	-0.11468	0.028968			
15.79695	-2.3235	0.475	0.875	0.010317	0.028968			
16.79695	-2.3235	0.475	0.875	0.010317	0.028968			
17.79695	-2.3235	0.35	0.875	-0.11468	0.028968			
18.79695	-2.3235	0.4	0.875	-0.06468	0.028968			
19.79695	-2.3235	0.5	0.875	0.035317	0.028968			
20.79695	-2.3235	0.5	0.875	0.035317	0.028968			
21.79695	-2.3235	0.5	0.875	0.035317	0.028968			
22.79695	-2.3235	0.5	0.875	0.035317	0.028968			
23.79695	-2.3235	0.5	0.875	0.035317	0.028968			
24.79695	-2.3235	0.5	0.875	0.035317	0.028968			
25.79695	-2.3235	0.5	0.875	0.035317	0.028968			
26.79695	-2.3235	0.5	0.875	0.035317	0.028968			
27.79695	-2.3235	0.5	0.875	0.035317	0.028968			
28.79695	-2.3235	0.5	0.875	0.035317	0.028968			
29.79695	-2.3235	0.5	0.875	0.035317	0.028968			
30.79695	-2.3235	0.5	0.875	0.035317	0.028968			

31.79695	-2.3235	0.5	0.875	0.035317	0.028968			
32.79695	-2.3235	0.5	0.875	0.035317	0.028968			
33.79695	-2.3235	0.5	0.875	0.035317	0.028968			
34.79695	-2.3235	0.5	0.875	0.035317	0.028968			
35.79695	-2.3235	0.5	0.875	0.035317	0.028968			
36.79695	-2.3235	0.5	0.875	0.035317	0.028968			
37.79695	-2.3235	0.4	0.775	-0.06468	-0.07103			
38.79695	-2.3235	0.35	0.75	-0.11468	-0.09603			
39.79695	-2.3235	0.325	0.7	-0.13968	-0.14603			
40.79695	-2.3235	0.375	0.725	-0.08968	-0.12103			
41.79695	-2.3235	0.375	0.825	-0.08968	-0.02103			
42.79695	-2.3235	0.475	0.825	0.010317	-0.02103			
43.79695	-2.3235	0.4	0.825	-0.06468	-0.02103			
44.79695	-2.3235	0.4	0.825	-0.06468	-0.02103			
45.79695	-2.3235	0.4	0.825	-0.06468	-0.02103			
46.79695	-2.3235	0.4	0.825	-0.06468	-0.02103			
47.79695	-2.3235	0.4	0.825	-0.06468	-0.02103			
48.79695	-2.3235	0.425	0.825	-0.03968	-0.02103			
49.79695	-2.3235	0.425	0.825	-0.03968	-0.02103			
50.79695	-2.3235	0.475	0.825	0.010317	-0.02103			
51.79695	-2.3235	0.5	0.825	0.035317	-0.02103			
52.79695	-2.3235	0.5	0.825	0.035317	-0.02103			
53.79695	-2.3235	0.5	0.825	0.035317	-0.02103			
54.79695	-2.3235	0.5	0.825	0.035317	-0.02103			
55.79695	-2.3235	0.5	0.825	0.035317	-0.02103			
56.79695	-2.3235	0.5	0.825	0.035317	-0.02103			
57.79695	-2.3235	0.5	0.85	0.035317	0.003968			
58.79695	-2.3235	0.5	0.85	0.035317	0.003968			
59.79695	-2.3235	0.5	0.85	0.035317	0.003968			
60.79695	-2.3235	0.5	0.85	0.035317	0.003968			
61.79695	-2.3235	0.5	0.85	0.035317	0.003968			
62.79695	-2.3235	0.425	0.85	-0.03968	0.003968			
63.79695	-2.3235	0.5	0.85	0.035317	0.003968			
2.0626	-2.3235	0.5	0.85	0.035317	0.003968			
3.0626	-2.3235	0.5	0.85	0.035317	0.003968			
4.0626	-2.3235	0.5	0.85	0.035317	0.003968			
5.0626	-2.3235	0.5	0.85	0.035317	0.003968			
6.0626	-2.3235	0.5	0.85	0.035317	0.003968			
7.0626	-2.3235	0.475	0.85	0.010317	0.003968			
8.0626	-2.3235	0.475	0.85	0.010317	0.003968			
9.0626	-2.3235	0.475	0.85	0.010317	0.003968			
10.0626	-2.3235	0.475	0.85	0.010317	0.003968			
11.0626	-2.3235	0.475	0.85	0.010317	0.003968			
12.0626	-2.3235	0.475	0.85	0.010317	0.003968			
13.0626	-2.3235	0.475	0.85	0.010317	0.003968	0.46468254		0.846032
14.0626	-3.098	0.45	0.8	0.025	0.014333			
15.0626	-3.098	0.475	0.8	0.05	0.014333			
16.0626	-3.098	0.475	0.8	0.05	0.014333			

17.0626	-3.098	0.475	0.875	0.05	0.089333			
18.0626	-3.098	0.475	0.875	0.05	0.089333			
19.0626	-3.098	0.475	0.875	0.05	0.089333			
20.0626	-3.098	0.475	0.875	0.05	0.089333			
21.0626	-3.098	0.475	0.875	0.05	0.089333			
22.0626	-3.098	0.475	0.875	0.05	0.089333			
23.0626	-3.098	0.45	0.875	0.025	0.089333			
24.0626	-3.098	0.425	0.875	0	0.089333			
25.0626	-3.098	0.425	0.875	0	0.089333			
26.0626	-3.098	0.4	0.875	-0.025	0.089333			
27.0626	-3.098	0.4	0.875	-0.025	0.089333			
28.0626	-3.098	0.4	0.875	-0.025	0.089333			
29.0626	-3.098	0.4	0.875	-0.025	0.089333			
30.0626	-3.098	0.4	0.875	-0.025	0.089333			
31.0626	-3.098	0.3	0.875	-0.125	0.089333			
32.0626	-3.098	0.3	0.875	-0.125	0.089333			
33.0626	-3.098	0.3	0.875	-0.125	0.089333			
34.0626	-3.098	0.3	0.875	-0.125	0.089333			
35.0626	-3.098	0.3	0.875	-0.125	0.089333			
36.0626	-3.098	0.3	0.875	-0.125	0.089333			
37.0626	-3.098	0.3	0.85	-0.125	0.064333			
38.0626	-3.098	0.325	0.825	-0.1	0.039333			
39.0626	-3.098	0.325	0.8	-0.1	0.014333			
40.0626	-3.098	0.325	0.775	-0.1	-0.01067			
41.0626	-3.098	0.325	0.75	-0.1	-0.03567			
42.0626	-3.098	0.325	0.75	-0.1	-0.03567			
43.0626	-3.098	0.325	0.75	-0.1	-0.03567			
44.0626	-3.098	0.35	0.85	-0.075	0.064333			
45.0626	-3.098	0.375	0.85	-0.05	0.064333			
46.0626	-3.098	0.375	0.85	-0.05	0.064333			
47.0626	-3.098	0.375	0.85	-0.05	0.064333			
48.0626	-3.098	0.375	0.85	-0.05	0.064333			
49.0626	-3.098	0.4	0.85	-0.025	0.064333			
50.0626	-3.098	0.4	0.8	-0.025	0.014333			
51.0626	-3.098	0.4	0.875	-0.025	0.089333			
52.0626	-3.098	0.4	0.725	-0.025	-0.06067			
53.0626	-3.098	0.35	0.7	-0.075	-0.08567			
54.0626	-3.098	0.35	0.7	-0.075	-0.08567			
55.0626	-3.098	0.35	0.7	-0.075	-0.08567			
56.0626	-3.098	0.35	0.725	-0.075	-0.06067			
57.0626	-3.098	0.5	0.725	0.075	-0.06067			
58.0626	-3.098	0.5	0.725	0.075	-0.06067			
59.0626	-3.098	0.5	0.725	0.075	-0.06067			
60.0626	-3.098	0.5	0.725	0.075	-0.06067			
61.0626	-3.098	0.5	0.725	0.075	-0.06067			
62.0626	-3.098	0.5	0.725	0.075	-0.06067			
63.0626	-3.098	0.5	0.725	0.075	-0.06067			
64.0626	-3.098	0.5	0.725	0.075	-0.06067			
65.0626	-3.098	0.5	0.725	0.075	-0.06067			

66.0626	-3.098	0.5	0.725	0.075	-0.06067			
67.0626	-3.098	0.5	0.725	0.075	-0.06067			
68.0626	-3.098	0.5	0.725	0.075	-0.06067			
69.0626	-3.098	0.5	0.725	0.075	-0.06067			
70.0626	-3.098	0.5	0.725	0.075	-0.06067			
71.0626	-3.098	0.5	0.725	0.075	-0.06067			
72.0626	-3.098	0.5	0.725	0.075	-0.06067			
73.0626	-3.098	0.5	0.725	0.075	-0.06067			
74.0626	-3.098	0.5	0.725	0.075	-0.06067			
75.0626	-3.098	0.5	0.725	0.075	-0.06067			
76.0626	-3.098	0.5	0.725	0.075	-0.06067			
2.32825	-3.098	0.5	0.725	0.075	-0.06067			
3.32825	-3.098	0.5	0.725	0.075	-0.06067			
4.32825	-3.098	0.5	0.725	0.075	-0.06067			
5.32825	-3.098	0.475	0.725	0.05	-0.06067			
6.32825	-3.098	0.4	0.725	-0.025	-0.06067			
7.32825	-3.098	0.4	0.725	-0.025	-0.06067			
8.32825	-3.098	0.4	0.725	-0.025	-0.06067			
9.32825	-3.098	0.4	0.725	-0.025	-0.06067			
10.32825	-3.098	0.5	0.725	0.075	-0.06067			
11.32825	-3.098	0.45	0.725	0.025	-0.06067			
12.32825	-3.098	0.45	0.725	0.025	-0.06067			
13.32825	-3.098	0.45	0.725	0.025	-0.06067	0.425		0.785667
14.32825	-3.8725	0.5	0.875	0.08373	0.021429			
15.32825	-3.8725	0.5	0.875	0.08373	0.021429			
16.32825	-3.8725	0.5	0.875	0.08373	0.021429			
17.32825	-3.8725	0.5	0.875	0.08373	0.021429			
18.32825	-3.8725	0.5	0.875	0.08373	0.021429			
19.32825	-3.8725	0.5	0.875	0.08373	0.021429			
20.32825	-3.8725	0.5	0.875	0.08373	0.021429			
21.32825	-3.8725	0.5	0.875	0.08373	0.021429			
22.32825	-3.8725	0.5	0.875	0.08373	0.021429			
23.32825	-3.8725	0.5	0.875	0.08373	0.021429			
24.32825	-3.8725	0.5	0.875	0.08373	0.021429			
25.32825	-3.8725	0.5	0.875	0.08373	0.021429			
26.32825	-3.8725	0.5	0.875	0.08373	0.021429			
27.32825	-3.8725	0.4	0.875	-0.01627	0.021429			
28.32825	-3.8725	0.325	0.875	-0.09127	0.021429			
29.32825	-3.8725	0.325	0.875	-0.09127	0.021429			
30.32825	-3.8725	0.4	0.875	-0.01627	0.021429			
31.32825	-3.8725	0.5	0.875	0.08373	0.021429			
32.32825	-3.8725	0.5	0.875	0.08373	0.021429			
33.32825	-3.8725	0.5	0.875	0.08373	0.021429			
34.32825	-3.8725	0.5	0.875	0.08373	0.021429			
35.32825	-3.8725	0.35	0.875	-0.06627	0.021429			
36.32825	-3.8725	0.35	0.875	-0.06627	0.021429			
37.32825	-3.8725	0.35	0.775	-0.06627	-0.07857			
38.32825	-3.8725	0.35	0.75	-0.06627	-0.10357			
39.32825	-3.8725	0.35	0.725	-0.06627	-0.12857			

40.32825	-3.8725	0.375	0.725	-0.04127	-0.12857			
41.32825	-3.8725	0.375	0.75	-0.04127	-0.10357			
42.32825	-3.8725	0.4	0.85	-0.01627	-0.00357			
43.32825	-3.8725	0.375	0.85	-0.04127	-0.00357			
44.32825	-3.8725	0.375	0.85	-0.04127	-0.00357			
45.32825	-3.8725	0.375	0.85	-0.04127	-0.00357			
46.32825	-3.8725	0.475	0.85	0.05873	-0.00357			
47.32825	-3.8725	0.475	0.85	0.05873	-0.00357			
48.32825	-3.8725	0.475	0.85	0.05873	-0.00357			
49.32825	-3.8725	0.375	0.8	-0.04127	-0.05357			
50.32825	-3.8725	0.325	0.8	-0.09127	-0.05357			
51.32825	-3.8725	0.325	0.8	-0.09127	-0.05357			
52.32825	-3.8725	0.35	0.8	-0.06627	-0.05357			
53.32825	-3.8725	0.35	0.8	-0.06627	-0.05357			
54.32825	-3.8725	0.35	0.8	-0.06627	-0.05357			
55.32825	-3.8725	0.35	0.8	-0.06627	-0.05357			
56.32825	-3.8725	0.35	0.8	-0.06627	-0.05357			
57.32825	-3.8725	0.35	0.875	-0.06627	0.021429			
58.32825	-3.8725	0.35	0.875	-0.06627	0.021429			
59.32825	-3.8725	0.35	0.875	-0.06627	0.021429			
60.32825	-3.8725	0.35	0.875	-0.06627	0.021429			
61.32825	-3.8725	0.35	0.875	-0.06627	0.021429			
62.32825	-3.8725	0.35	0.875	-0.06627	0.021429			
63.32825	-3.8725	0.35	0.875	-0.06627	0.021429			
64.32825	-3.8725	0.35	0.875	-0.06627	0.021429			
2.5939	-3.8725	0.35	0.875	-0.06627	0.021429			
3.5939	-3.8725	0.35	0.875	-0.06627	0.021429			
4.5939	-3.8725	0.35	0.875	-0.06627	0.021429			
5.5939	-3.8725	0.35	0.875	-0.06627	0.021429			
6.5939	-3.8725	0.35	0.95	-0.06627	0.096429			
7.5939	-3.8725	0.5	0.95	0.08373	0.096429			
8.5939	-3.8725	0.5	0.9	0.08373	0.046429			
9.5939	-3.8725	0.5	0.875	0.08373	0.021429			
10.5939	-3.8725	0.5	0.85	0.08373	-0.00357			
11.5939	-3.8725	0.5	0.85	0.08373	-0.00357			
12.5939	-3.8725	0.5	0.85	0.08373	-0.00357			
13.5939	-3.8725	0.5	0.85	0.08373	-0.00357	0.416269841		0.853571
14.5939	-4.647	0.5	0.825	0.057667	-0.019			
15.5939	-4.647	0.5	0.825	0.057667	-0.019			
16.5939	-4.647	0.5	0.825	0.057667	-0.019			
17.5939	-4.647	0.5	0.825	0.057667	-0.019			
18.5939	-4.647	0.5	0.9	0.057667	0.056			
19.5939	-4.647	0.5	0.9	0.057667	0.056			
20.5939	-4.647	0.5	0.9	0.057667	0.056			
21.5939	-4.647	0.5	0.9	0.057667	0.056			
22.5939	-4.647	0.5	0.9	0.057667	0.056			
23.5939	-4.647	0.5	0.9	0.057667	0.056			
24.5939	-4.647	0.5	0.9	0.057667	0.056			
25.5939	-4.647	0.5	0.825	0.057667	-0.019			

26.5939	-4.647	0.5	0.825	0.057667	-0.019			
27.5939	-4.647	0.5	0.825	0.057667	-0.019			
28.5939	-4.647	0.475	0.825	0.032667	-0.019			
29.5939	-4.647	0.425	0.825	-0.01733	-0.019			
30.5939	-4.647	0.4	0.825	-0.04233	-0.019			
31.5939	-4.647	0.4	0.825	-0.04233	-0.019			
32.5939	-4.647	0.35	0.825	-0.09233	-0.019			
33.5939	-4.647	0.35	0.825	-0.09233	-0.019			
34.5939	-4.647	0.35	0.825	-0.09233	-0.019			
35.5939	-4.647	0.35	0.825	-0.09233	-0.019			
36.5939	-4.647	0.35	0.825	-0.09233	-0.019			
37.5939	-4.647	0.3	0.825	-0.14233	-0.019			
38.5939	-4.647	0.3	0.775	-0.14233	-0.069			
39.5939	-4.647	0.3	0.775	-0.14233	-0.069			
40.5939	-4.647	0.3	0.75	-0.14233	-0.094			
41.5939	-4.647	0.3	0.75	-0.14233	-0.094			
42.5939	-4.647	0.35	0.8	-0.09233	-0.044			
43.5939	-4.647	0.4	0.85	-0.04233	0.006			
44.5939	-4.647	0.4	0.85	-0.04233	0.006			
45.5939	-4.647	0.4	0.85	-0.04233	0.006			
46.5939	-4.647	0.4	0.85	-0.04233	0.006			
47.5939	-4.647	0.4	0.85	-0.04233	0.006			
48.5939	-4.647	0.4	0.85	-0.04233	0.006			
49.5939	-4.647	0.4	0.85	-0.04233	0.006			
50.5939	-4.647	0.4	0.8	-0.04233	-0.044			
51.5939	-4.647	0.35	0.725	-0.09233	-0.119			
52.5939	-4.647	0.35	0.725	-0.09233	-0.119			
53.5939	-4.647	0.35	0.725	-0.09233	-0.119			
54.5939	-4.647	0.35	0.725	-0.09233	-0.119			
55.5939	-4.647	0.35	0.8	-0.09233	-0.044			
56.5939	-4.647	0.35	0.825	-0.09233	-0.019			
57.5939	-4.647	0.4	0.85	-0.04233	0.006			
58.5939	-4.647	0.5	0.85	0.057667	0.006			
59.5939	-4.647	0.5	0.85	0.057667	0.006			
60.5939	-4.647	0.5	0.85	0.057667	0.006			
61.5939	-4.647	0.5	0.85	0.057667	0.006			
62.5939	-4.647	0.5	0.85	0.057667	0.006			
63.5939	-4.647	0.5	0.875	0.057667	0.031			
64.5939	-4.647	0.5	0.875	0.057667	0.031			
65.5939	-4.647	0.5	0.875	0.057667	0.031			
66.5939	-4.647	0.5	0.875	0.057667	0.031			
67.5939	-4.647	0.5	0.875	0.057667	0.031			
68.5939	-4.647	0.5	0.875	0.057667	0.031			
69.5939	-4.647	0.5	0.875	0.057667	0.031			
70.5939	-4.647	0.5	0.875	0.057667	0.031			
71.5939	-4.647	0.5	0.875	0.057667	0.031			
72.5939	-4.647	0.5	0.875	0.057667	0.031			
73.5939	-4.647	0.5	0.875	0.057667	0.031			
74.5939	-4.647	0.5	0.875	0.057667	0.031			

75.5939	-4.647	0.5	0.875	0.057667	0.031			
76.5939	-4.647	0.5	0.875	0.057667	0.031			
2.85955	-4.647	0.5	0.875	0.057667	0.031			
3.85955	-4.647	0.5	0.875	0.057667	0.031			
4.85955	-4.647	0.5	0.875	0.057667	0.031			
5.85955	-4.647	0.5	0.875	0.057667	0.031			
6.85955	-4.647	0.5	0.875	0.057667	0.031			
7.85955	-4.647	0.5	0.875	0.057667	0.031			
8.85955	-4.647	0.5	0.875	0.057667	0.031			
9.85955	-4.647	0.475	0.875	0.032667	0.031			
10.85955	-4.647	0.475	0.875	0.032667	0.031			
11.85955	-4.647	0.425	0.875	-0.01733	0.031			
12.85955	-4.647	0.4	0.875	-0.04233	0.031			
13.85955	-4.647	0.4	0.875	-0.04233	0.031	0.442333333		0.844
14.85955	-5.4215	0.425	0.875	-0.025	0			
15.85955	-5.4215	0.425	0.875	-0.025	0			
16.85955	-5.4215	0.425	0.875	-0.025	0			
17.85955	-5.4215	0.425	0.875	-0.025	0			
18.85955	-5.4215	0.475	0.875	0.025	0			
19.85955	-5.4215	0.475	0.875	0.025	0			
20.85955	-5.4215	0.4	0.875	-0.05	0			
21.85955	-5.4215	0.3	0.875	-0.15	0			
22.85955	-5.4215	0.475	0.875	0.025	0			
23.85955	-5.4215	0.475	0.875	0.025	0			
24.85955	-5.4215	0.475	0.875	0.025	0			
25.85955	-5.4215	0.475	0.875	0.025	0			
26.85955	-5.4215	0.475	0.875	0.025	0			
27.85955	-5.4215	0.475	0.875	0.025	0			
28.85955	-5.4215	0.475	0.875	0.025	0			
29.85955	-5.4215	0.475	0.875	0.025	0			
30.85955	-5.4215	0.475	0.875	0.025	0			
31.85955	-5.4215	0.475	0.875	0.025	0	0.45		0.875
32.85955	-6.196	0.15	0.65	0.002778	-0.00278			
33.85955	-6.196	0.15	0.65	0.002778	-0.00278			
34.85955	-6.196	0.15	0.65	0.002778	-0.00278			
35.85955	-6.196	0.15	0.65	0.002778	-0.00278			
36.85955	-6.196	0.1	0.65	-0.04722	-0.00278			
37.85955	-6.196	0.15	0.65	0.002778	-0.00278			
38.85955	-6.196	0.15	0.65	0.002778	-0.00278			
39.85955	-6.196	0.15	0.6	0.002778	-0.05278			
40.85955	-6.196	0.15	0.65	0.002778	-0.00278			
41.85955	-6.196	0.15	0.65	0.002778	-0.00278			
42.85955	-6.196	0.15	0.675	0.002778	0.022222			
43.85955	-6.196	0.15	0.675	0.002778	0.022222			
44.85955	-6.196	0.15	0.675	0.002778	0.022222			
45.85955	-6.196	0.15	0.675	0.002778	0.022222			
46.85955	-6.196	0.15	0.625	0.002778	-0.02778			
47.85955	-6.196	0.15	0.625	0.002778	-0.02778			
48.85955	-6.196	0.15	0.675	0.002778	0.022222			

49.85955	-6.196	0.15	0.675	0.002778	0.022222	0.147222222		0.652778
50.85955	-6.9705	0.4	0.875	0.077941	0.008824			
51.85955	-6.9705	0.4	0.875	0.077941	0.008824			
52.85955	-6.9705	0.5	0.875	0.177941	0.008824			
53.85955	-6.9705	0.45	0.875	0.127941	0.008824			
54.85955	-6.9705	0.425	0.875	0.102941	0.008824			
55.85955	-6.9705	0.275	0.875	-0.04706	0.008824			
56.85955	-6.9705	0.275	0.8	-0.04706	-0.06618			
57.85955	-6.9705	0.275	0.8	-0.04706	-0.06618			
58.85955	-6.9705	0.275	0.875	-0.04706	0.008824			
59.85955	-6.9705	0.275	0.875	-0.04706	0.008824			
60.85955	-6.9705	0.275	0.875	-0.04706	0.008824			
61.85955	-6.9705	0.275	0.875	-0.04706	0.008824			
62.85955	-6.9705	0.275	0.9	-0.04706	0.033824			
63.85955	-6.9705	0.275	0.875	-0.04706	0.008824			
64.85955	-6.9705	0.275	0.875	-0.04706	0.008824			
3.1252	-6.9705	0.275	0.875	-0.04706	0.008824			
4.1252	-6.9705	0.275	0.85	-0.04706	-0.01618	0.322058824		0.866176
5.1252	-7.745	0.15	0.85	-0.03529	-0.01324			
6.1252	-7.745	0.15	0.85	-0.03529	-0.01324			
7.1252	-7.745	0.15	0.85	-0.03529	-0.01324			
8.1252	-7.745	0.15	0.85	-0.03529	-0.01324			
9.1252	-7.745	0.15	0.925	-0.03529	0.061765			
10.1252	-7.745	0.15	0.85	-0.03529	-0.01324			
11.1252	-7.745	0.15	0.85	-0.03529	-0.01324			
12.1252	-7.745	0.15	0.925	-0.03529	0.061765			
13.1252	-7.745	0.15	0.85	-0.03529	-0.01324			
14.1252	-7.745	0.15	0.85	-0.03529	-0.01324			
15.1252	-7.745	0.15	0.85	-0.03529	-0.01324			
16.1252	-7.745	0.15	0.85	-0.03529	-0.01324			
17.1252	-7.745	0.15	0.85	-0.03529	-0.01324			
18.1252	-7.745	0.15	0.85	-0.03529	-0.01324			
19.1252	-7.745	0.15	0.925	-0.03529	0.061765			
20.1252	-7.745	0.45	0.85	0.264706	-0.01324			
21.1252	-7.745	0.45	0.85	0.264706	-0.01324	0.185294118		0.863235
22.1252	-8.5195	0.5	0.9	0.134375	0.045313			
23.1252	-8.5195	0.5	0.9	0.134375	0.045313			
24.1252	-8.5195	0.5	0.875	0.134375	0.020313			
25.1252	-8.5195	0.425	0.875	0.059375	0.020313			
26.1252	-8.5195	0.425	0.875	0.059375	0.020313			
27.1252	-8.5195	0.4	0.825	0.034375	-0.02969			
28.1252	-8.5195	0.4	0.825	0.034375	-0.02969			
29.1252	-8.5195	0.3	0.9	-0.06562	0.045313			
30.1252	-8.5195	0.3	0.825	-0.06562	-0.02969			
31.1252	-8.5195	0.3	0.825	-0.06562	-0.02969			
32.1252	-8.5195	0.3	0.85	-0.06562	-0.00469			
33.1252	-8.5195	0.3	0.85	-0.06562	-0.00469			
34.1252	-8.5195	0.3	0.85	-0.06562	-0.00469			
35.1252	-8.5195	0.3	0.85	-0.06562	-0.00469			

36.1252	-8.5195	0.3	0.85	-0.06562	-0.00469			
37.1252	-8.5195	0.3	0.8	-0.06562	-0.05469	0.365625		0.854688
38.1252	-9.294	0.275	0.875	-0.04167	0			
39.1252	-9.294	0.275	0.875	-0.04167	0			
40.1252	-9.294	0.275	0.875	-0.04167	0			
41.1252	-9.294	0.275	0.875	-0.04167	0			
42.1252	-9.294	0.275	0.875	-0.04167	0			
43.1252	-9.294	0.275	0.875	-0.04167	0			
44.1252	-9.294	0.275	0.875	-0.04167	0			
45.1252	-9.294	0.275	0.875	-0.04167	0			
46.1252	-9.294	0.275	0.875	-0.04167	0			
47.1252	-9.294	0.275	0.875	-0.04167	0			
48.1252	-9.294	0.4	0.875	0.083333	0			
49.1252	-9.294	0.4	0.875	0.083333	0			
50.1252	-9.294	0.45	0.875	0.133333	0			
51.1252	-9.294	0.45	0.875	0.133333	0			
52.1252	-9.294	0.3	0.875	-0.01667	0	0.316666667		0.875
53.1252	-10.0685	0.3	0.85	-0.02667	0			
54.1252	-10.0685	0.4	0.85	0.073333	0			
55.1252	-10.0685	0.4	0.85	0.073333	0			
56.1252	-10.0685	0.4	0.85	0.073333	0			
57.1252	-10.0685	0.4	0.85	0.073333	0			
58.1252	-10.0685	0.3	0.85	-0.02667	0			
59.1252	-10.0685	0.3	0.85	-0.02667	0			
60.1252	-10.0685	0.3	0.85	-0.02667	0			
61.1252	-10.0685	0.3	0.85	-0.02667	0			
62.1252	-10.0685	0.3	0.85	-0.02667	0			
63.1252	-10.0685	0.3	0.85	-0.02667	0			
64.1252	-10.0685	0.3	0.85	-0.02667	0			
65.1252	-10.0685	0.3	0.85	-0.02667	0			
66.1252	-10.0685	0.3	0.85	-0.02667	0			
67.1252	-10.0685	0.3	0.85	-0.02667	0	0.326666667		0.85
68.1252	-10.843	0.25	0.875	-0.02	-0.01			
69.1252	-10.843	0.25	0.875	-0.02	-0.01			
70.1252	-10.843	0.25	0.875	-0.02	-0.01			
71.1252	-10.843	0.25	0.875	-0.02	-0.01			
72.1252	-10.843	0.25	0.925	-0.02	0.04			
73.1252	-10.843	0.25	0.875	-0.02	-0.01			
74.1252	-10.843	0.25	0.875	-0.02	-0.01			
75.1252	-10.843	0.25	0.925	-0.02	0.04			
76.1252	-10.843	0.25	0.875	-0.02	-0.01			
77.1252	-10.843	0.25	0.875	-0.02	-0.01			
3.39085	-10.843	0.25	0.925	-0.02	0.04			
4.39085	-10.843	0.25	0.875	-0.02	-0.01			
5.39085	-10.843	0.35	0.875	0.08	-0.01			
6.39085	-10.843	0.35	0.875	0.08	-0.01			
7.39085	-10.843	0.35	0.875	0.08	-0.01	0.27		0.885
8.39085	-11.6175	0.25	0.85	0	-0.00833			
9.39085	-11.6175	0.25	0.85	0	-0.00833			

10.39085	-11.6175	0.25	0.85	0	-0.00833			
11.39085	-11.6175	0.25	0.85	0	-0.00833			
12.39085	-11.6175	0.25	0.85	0	-0.00833			
13.39085	-11.6175	0.25	0.85	0	-0.00833			
14.39085	-11.6175	0.25	0.95	0	0.091667			
15.39085	-11.6175	0.25	0.85	0	-0.00833			
16.39085	-11.6175	0.25	0.85	0	-0.00833			
17.39085	-11.6175	0.25	0.95	0	0.091667			
18.39085	-11.6175	0.25	0.85	0	-0.00833			
19.39085	-11.6175	0.25	0.85	0	-0.00833			
20.39085	-11.6175	0.25	0.85	0	-0.00833			
21.39085	-11.6175	0.25	0.85	0	-0.00833			
22.39085	-11.6175	0.25	0.775	0	-0.08333	0.25		0.858333
23.39085	-12.392	0.25	0.825	0	-0.00833			
24.39085	-12.392	0.25	0.825	0	-0.00833			
25.39085	-12.392	0.25	0.825	0	-0.00833			
26.39085	-12.392	0.25	0.825	0	-0.00833			
27.39085	-12.392	0.25	0.825	0	-0.00833			
28.39085	-12.392	0.25	0.825	0	-0.00833			
29.39085	-12.392	0.25	0.825	0	-0.00833			
30.39085	-12.392	0.25	0.825	0	-0.00833			
31.39085	-12.392	0.25	0.825	0	-0.00833			
32.39085	-12.392	0.25	0.75	0	-0.08333			
33.39085	-12.392	0.25	0.825	0	-0.00833			
34.39085	-12.392	0.25	0.825	0	-0.00833			
35.39085	-12.392	0.25	0.825	0	-0.00833			
36.39085	-12.392	0.25	0.95	0	0.116667			
37.39085	-12.392	0.25	0.9	0	0.066667	0.25		0.833333
38.39085	-13.1665	0.35	0.825	0.065	-0.03167			
39.39085	-13.1665	0.35	0.825	0.065	-0.03167			
40.39085	-13.1665	0.275	0.9	-0.01	0.043333			
41.39085	-13.1665	0.275	0.775	-0.01	-0.08167			
42.39085	-13.1665	0.275	0.875	-0.01	0.018333			
43.39085	-13.1665	0.275	0.875	-0.01	0.018333			
44.39085	-13.1665	0.275	0.875	-0.01	0.018333			
45.39085	-13.1665	0.275	0.875	-0.01	0.018333			
46.39085	-13.1665	0.275	0.875	-0.01	0.018333			
47.39085	-13.1665	0.275	0.875	-0.01	0.018333			
48.39085	-13.1665	0.275	0.875	-0.01	0.018333			
49.39085	-13.1665	0.275	0.775	-0.01	-0.08167			
50.39085	-13.1665	0.275	0.875	-0.01	0.018333			
51.39085	-13.1665	0.275	0.875	-0.01	0.018333			
52.39085	-13.1665	0.275	0.875	-0.01	0.018333	0.285		0.856667
53.39085	-13.941	0.275	0.85	-0.045	-0.035			
54.39085	-13.941	0.275	0.85	-0.045	-0.035			
55.39085	-13.941	0.275	0.85	-0.045	-0.035			
56.39085	-13.941	0.275	0.85	-0.045	-0.035			
57.39085	-13.941	0.275	0.925	-0.045	0.04			
58.39085	-13.941	0.275	0.9	-0.045	0.015			

59.39085	-13.941	0.275	0.9	-0.045	0.015			
60.39085	-13.941	0.275	0.9	-0.045	0.015			
61.39085	-13.941	0.275	0.9	-0.045	0.015			
62.39085	-13.941	0.275	0.9	-0.045	0.015			
63.39085	-13.941	0.275	0.9	-0.045	0.015			
64.39085	-13.941	0.5	0.9	0.18	0.015			
65.39085	-13.941	0.5	0.9	0.18	0.015			
3.6565	-13.941	0.5	0.9	0.18	0.015			
4.6565	-13.941	0.275	0.85	-0.045	-0.035	0.32		0.885
5.6565	-14.7155	0.275	0.9	-0.00667	0.076667			
6.6565	-14.7155	0.275	0.9	-0.00667	0.076667			
7.6565	-14.7155	0.275	0.9	-0.00667	0.076667			
8.6565	-14.7155	0.3	0.8	0.018333	-0.02333			
9.6565	-14.7155	0.3	0.8	0.018333	-0.02333			
10.6565	-14.7155	0.3	0.8	0.018333	-0.02333			
11.6565	-14.7155	0.3	0.8	0.018333	-0.02333			
12.6565	-14.7155	0.275	0.8	-0.00667	-0.02333			
13.6565	-14.7155	0.275	0.85	-0.00667	0.026667			
14.6565	-14.7155	0.275	0.85	-0.00667	0.026667			
15.6565	-14.7155	0.275	0.85	-0.00667	0.026667			
16.6565	-14.7155	0.275	0.85	-0.00667	0.026667			
17.6565	-14.7155	0.275	0.85	-0.00667	0.026667			
18.6565	-14.7155	0.275	0.8	-0.00667	-0.02333			
19.6565	-14.7155	0.275	0.6	-0.00667	-0.22333	0.281666667		0.823333
20.6565	-15.49	0.35	0.825	0.030769	0.053846			
21.6565	-15.49	0.35	0.825	0.030769	0.053846			
22.6565	-15.49	0.3	0.825	-0.01923	0.053846			
23.6565	-15.49	0.3	0.825	-0.01923	0.053846			
24.6565	-15.49	0.3	0.825	-0.01923	0.053846			
25.6565	-15.49	0.3	0.6	-0.01923	-0.17115			
26.6565	-15.49	0.3	0.75	-0.01923	-0.02115			
27.6565	-15.49	0.3	0.8	-0.01923	0.028846			
28.6565	-15.49	0.3	0.8	-0.01923	0.028846			
29.6565	-15.49	0.325	0.7	0.005769	-0.07115			
30.6565	-15.49	0.325	0.75	0.005769	-0.02115			
31.6565	-15.49	0.35	0.75	0.030769	-0.02115			
32.6565	-15.49	0.35	0.75	0.030769	-0.02115	0.319230769		0.771154
33.6565	-16.2645	0.3	0.85	0	0.061538			
34.6565	-16.2645	0.3	0.8	0	0.011538			
35.6565	-16.2645	0.3	0.85	0	0.061538			
36.6565	-16.2645	0.3	0.85	0	0.061538			
37.6565	-16.2645	0.3	0.625	0	-0.16346			
38.6565	-16.2645	0.3	0.775	0	-0.01346			
39.6565	-16.2645	0.3	0.7	0	-0.08846			
40.6565	-16.2645	0.3	0.7	0	-0.08846			
41.6565	-16.2645	0.3	0.825	0	0.036538			
42.6565	-16.2645	0.3	0.825	0	0.036538			
43.6565	-16.2645	0.3	0.825	0	0.036538			
44.6565	-16.2645	0.3	0.8	0	0.011538			

45.6565	-16.2645	0.3	0.825	0	0.036538	0.3		0.788462
46.6565	-17.039	0.3	0.775	-0.08287	0.032692			
47.6565	-17.039	0.3	0.575	-0.08287	-0.16731			
48.6565	-17.039	0.3	0.575	-0.08287	-0.16731			
49.6565	-17.039	0.3	0.8	-0.08287	0.057692			
50.6565	-17.039	0.3	0.7	-0.08287	-0.04231			
51.6565	-17.039	0.3	0.7	-0.08287	-0.04231			
52.6565	-17.039	0.3	0.7	-0.08287	-0.04231			
53.6565	-17.039	0.3	0.7	-0.08287	-0.04231			
54.6565	-17.039	0.3	0.7	-0.08287	-0.04231			
55.6565	-17.039	0.3	0.8	-0.08287	0.057692			
56.6565	-17.039	0.3	0.875	-0.08287	0.132692			
57.6565	-17.039	0.3	0.875	-0.08287	0.132692			
58.6565	-17.039	0.3	0.875	-0.08287	0.132692	0.382871064		0.742308
59.6565	-17.8135	0.3	0.8	-0.01154	0.084615			
60.6565	-17.8135	0.375	0.8	0.063462	0.084615			
61.6565	-17.8135	0.3	0.8	-0.01154	0.084615			
62.6565	-17.8135	0.3	0.65	-0.01154	-0.06538			
63.6565	-17.8135	0.3	0.65	-0.01154	-0.06538			
64.6565	-17.8135	0.3	0.65	-0.01154	-0.06538			
65.6565	-17.8135	0.3	0.65	-0.01154	-0.06538			
66.6565	-17.8135	0.3	0.65	-0.01154	-0.06538			
67.6565	-17.8135	0.3	0.65	-0.01154	-0.06538			
68.6565	-17.8135	0.3	0.65	-0.01154	-0.06538			
69.6565	-17.8135	0.3	0.8	-0.01154	0.084615			
70.6565	-17.8135	0.375	0.8	0.063462	0.084615			
71.6565	-17.8135	0.3	0.75	-0.01154	0.034615	0.311538462		0.715385
72.6565	-18.588	0.325	0.775	0.020833	0.004167			
73.6565	-18.588	0.275	0.85	-0.02917	0.079167			
74.6565	-18.588	0.275	0.85	-0.02917	0.079167			
75.6565	-18.588	0.275	0.85	-0.02917	0.079167			
76.6565	-18.588	0.3	0.675	-0.00417	-0.09583			
77.6565	-18.588	0.3	0.675	-0.00417	-0.09583			
3.92215	-18.588	0.3	0.675	-0.00417	-0.09583			
4.92215	-18.588	0.3	0.675	-0.00417	-0.09583			
5.92215	-18.588	0.3	0.675	-0.00417	-0.09583			
6.92215	-18.588	0.3	0.85	-0.00417	0.079167			
7.92215	-18.588	0.4	0.85	0.095833	0.079167			
8.92215	-18.588	0.3	0.85	-0.00417	0.079167	0.304166667		0.770833
9.92215	-19.3625	0.325	0.8	0.022917	0.03125			
10.92215	-19.3625	0.3	0.8	-0.00208	0.03125			
11.92215	-19.3625	0.3	0.8	-0.00208	0.03125			
12.92215	-19.3625	0.3	0.675	-0.00208	-0.09375			
13.92215	-19.3625	0.3	0.675	-0.00208	-0.09375			
14.92215	-19.3625	0.3	0.675	-0.00208	-0.09375			
15.92215	-19.3625	0.3	0.725	-0.00208	-0.04375			
16.92215	-19.3625	0.3	0.725	-0.00208	-0.04375			
17.92215	-19.3625	0.3	0.8	-0.00208	0.03125			
18.92215	-19.3625	0.3	0.85	-0.00208	0.08125			

19.92215	-19.3625	0.3	0.85	-0.00208	0.08125			
20.92215	-19.3625	0.3	0.85	-0.00208	0.08125	0.302083333		0.76875
21.92215	-20.137	0.3	0.825	-0.0075	0.0375			
22.92215	-20.137	0.3	0.825	-0.0075	0.0375			
23.92215	-20.137	0.3	0.725	-0.0075	-0.0625			
24.92215	-20.137	0.3	0.825	-0.0075	0.0375			
25.92215	-20.137	0.3	0.825	-0.0075	0.0375			
26.92215	-20.137	0.3	0.825	-0.0075	0.0375			
27.92215	-20.137	0.3	0.7	-0.0075	-0.0875			
28.92215	-20.137	0.3	0.675	-0.0075	-0.1125			
29.92215	-20.137	0.375	0.825	0.0675	0.0375			
30.92215	-20.137	0.3	0.825	-0.0075	0.0375	0.3075		0.7875
31.92215	-20.9115	0.275	0.8	-0.0075	0.02			
32.92215	-20.9115	0.35	0.8	0.0675	0.02			
33.92215	-20.9115	0.275	0.8	-0.0075	0.02			
34.92215	-20.9115	0.275	0.7	-0.0075	-0.08			
35.92215	-20.9115	0.275	0.8	-0.0075	0.02			
36.92215	-20.9115	0.275	0.8	-0.0075	0.02			
37.92215	-20.9115	0.275	0.8	-0.0075	0.02			
38.92215	-20.9115	0.275	0.7	-0.0075	-0.08			
39.92215	-20.9115	0.275	0.8	-0.0075	0.02			
40.92215	-20.9115	0.275	0.8	-0.0075	0.02	0.2825		0.78
41.92215	-21.686	0.275	0.825	-0.015	0.04			
42.92215	-21.686	0.275	0.8	-0.015	0.015			
43.92215	-21.686	0.275	0.775	-0.015	-0.01			
44.92215	-21.686	0.275	0.775	-0.015	-0.01			
45.92215	-21.686	0.275	0.825	-0.015	0.04			
46.92215	-21.686	0.275	0.775	-0.015	-0.01			
47.92215	-21.686	0.275	0.7	-0.015	-0.085			
48.92215	-21.686	0.275	0.775	-0.015	-0.01			
49.92215	-21.686	0.35	0.825	0.06	0.04			
50.92215	-21.686	0.35	0.775	0.06	-0.01	0.29		0.785
51.92215	-22.4605	0.375	0.825	0.055	0.0675			
52.92215	-22.4605	0.375	0.825	0.055	0.0675			
53.92215	-22.4605	0.3	0.75	-0.02	-0.0075			
54.92215	-22.4605	0.3	0.75	-0.02	-0.0075			
55.92215	-22.4605	0.3	0.7	-0.02	-0.0575			
56.92215	-22.4605	0.3	0.8	-0.02	0.0425			
57.92215	-22.4605	0.3	0.725	-0.02	-0.0325			
58.92215	-22.4605	0.3	0.7	-0.02	-0.0575			
59.92215	-22.4605	0.35	0.8	0.03	0.0425			
60.92215	-22.4605	0.3	0.7	-0.02	-0.0575	0.32		0.7575
61.92215	-23.235	0.275	0.725	-0.04	-0.0375			
62.92215	-23.235	0.275	0.85	-0.04	0.0875			
63.92215	-23.235	0.3	0.775	-0.015	0.0125			
64.92215	-23.235	0.3	0.775	-0.015	0.0125			
65.92215	-23.235	0.3	0.7	-0.015	-0.0625			
4.1878	-23.235	0.3	0.7	-0.015	-0.0625			
5.1878	-23.235	0.3	0.7	-0.015	-0.0625			

6.1878	-23.235	0.3	0.7	-0.015	-0.0625			
7.1878	-23.235	0.4	0.85	0.085	0.0875			
8.1878	-23.235	0.4	0.85	0.085	0.0875	0.315		0.7625
9.1878	-24.0095	0.475	0.85	0.1575	0.0925			
10.1878	-24.0095	0.3	0.8	-0.0175	0.0425			
11.1878	-24.0095	0.3	0.7	-0.0175	-0.0575			
12.1878	-24.0095	0.3	0.7	-0.0175	-0.0575			
13.1878	-24.0095	0.3	0.7	-0.0175	-0.0575			
14.1878	-24.0095	0.3	0.8	-0.0175	0.0425			
15.1878	-24.0095	0.3	0.775	-0.0175	0.0175			
16.1878	-24.0095	0.3	0.775	-0.0175	0.0175			
17.1878	-24.0095	0.3	0.775	-0.0175	0.0175			
18.1878	-24.0095	0.3	0.7	-0.0175	-0.0575	0.3175		0.7575
19.1878	-24.784	0.325	0.8	0.0075	0.005			
20.1878	-24.784	0.275	0.8	-0.0425	0.005			
21.1878	-24.784	0.275	0.8	-0.0425	0.005			
22.1878	-24.784	0.325	0.75	0.0075	-0.045			
23.1878	-24.784	0.325	0.75	0.0075	-0.045			
24.1878	-24.784	0.325	0.725	0.0075	-0.07			
25.1878	-24.784	0.325	0.725	0.0075	-0.07			
26.1878	-24.784	0.325	0.8	0.0075	0.005			
27.1878	-24.784	0.3	0.9	-0.0175	0.105			
28.1878	-24.784	0.375	0.9	0.0575	0.105	0.3175		0.795
29.1878	-25.5585	0.3	0.875	-0.025	0.091667			
30.1878	-25.5585	0.3	0.825	-0.025	0.041667			
31.1878	-25.5585	0.3	0.8	-0.025	0.016667			
32.1878	-25.5585	0.3	0.75	-0.025	-0.03333			
33.1878	-25.5585	0.375	0.75	0.05	-0.03333			
34.1878	-25.5585	0.375	0.7	0.05	-0.08333	0.325		0.783333
35.1878	-26.333	0.3	0.8	0	0.015			
36.1878	-26.333	0.3	0.75	0	-0.035			
37.1878	-26.333	0.3	0.75	0	-0.035			
38.1878	-26.333	0.3	0.825	0	0.04			
39.1878	-26.333	0.3	0.8	0	0.015	0.3		0.785
40.1878	-27.1075	0.3	0.65	-0.025	-0.0125			
41.1878	-27.1075	0.3	0.65	-0.025	-0.0125			
42.1878	-27.1075	0.3	0.65	-0.025	-0.0125			
43.1878	-27.1075	0.4	0.7	0.075	0.0375	0.325		0.6625
44.1878	-27.882	0.375	0.7	0.0375	-0.0875			
45.1878	-27.882	0.325	0.8	-0.0125	0.0125			
46.1878	-27.882	0.325	0.775	-0.0125	-0.0125			
47.1878	-27.882	0.325	0.875	-0.0125	0.0875	0.3375		0.7875
48.1878	-28.6565	0.475	0.85	0.125	0.075			
49.1878	-28.6565	0.325	0.8	-0.025	0.025			
50.1878	-28.6565	0.325	0.8	-0.025	0.025			
51.1878	-28.6565	0.275	0.65	-0.075	-0.125	0.35		0.775
52.1878	-29.431	0.35	0.9	0.0375	0.01875			
53.1878	-29.431	0.3	0.875	-0.0125	-0.00625			
54.1878	-29.431	0.3	0.875	-0.0125	-0.00625			

55.1878	-29.431	0.3	0.875	-0.0125	-0.00625	0.3125		0.88125
56.1878	-30.2055	0.3	0.85	0.03	0.028571			
57.1878	-30.2055	0.3	0.8	0.03	-0.02143			
58.1878	-30.2055	0.25	0.85	-0.02	0.028571			
59.1878	-30.2055	0.25	0.8	-0.02	-0.02143			
60.1878	-30.2055	0.25	0.85	-0.02	0.028571	0.27		0.821429
61.1878	-30.98	0.25	0.825	-0.03	0.01			
62.1878	-30.98	0.25	0.825	-0.03	0.01			
63.1878	-30.98	0.3	0.7	0.02	-0.115			
64.1878	-30.98	0.3	0.9	0.02	0.085			
65.1878	-30.98	0.3	0.825	0.02	0.01	0.28		0.815
66.1878	-31.7545	0.4	0.825	0.12	0.015			
67.1878	-31.7545	0.25	0.75	-0.03	-0.06			
68.1878	-31.7545	0.25	0.825	-0.03	0.015			
69.1878	-31.7545	0.25	0.825	-0.03	0.015			
70.1878	-31.7545	0.25	0.825	-0.03	0.015	0.28		0.81
71.1878	-32.529	0.2	1	0	-0.035			
72.1878	-32.529	0.2	1	0	-0.035			
73.1878	-32.529	0.2	1	0	-0.035			
74.1878	-32.529	0.2	1.125	0	0.09			
75.1878	-32.529	0.2	1.05	0	0.015	0.2		1.035
76.1878	-33.3035	0.275	0.725	0	-0.08			
77.1878	-33.3035	0.275	0.75	0	-0.055			
78.1878	-33.3035	0.275	0.85	0	0.045			
4.45345	-33.3035	0.275	0.85	0	0.045			
5.45345	-33.3035	0.275	0.85	0	0.045	0.275		0.805

VITA

Monique Tashell Mitchell, born in New Orleans, Louisiana on August 29, 1975. She graduated from John F. Kennedy High school in May 1993, after her father retired from the Air Force.

Monique attended Xavier University for Engineering but soon realized that rocks and soils were her passion. She transferred to the University of New Orleans and received her Bachelor of Science degree in Geology in December 2001. While working full time she pursued and received a Master of Science degree from the Department of Earth and Environmental Sciences in Geophysics at the University of New Orleans in May 2008.