

亲爱的用户，本软件免费提供给您处理数据使用。但为了对作者此项工作的考核，也拜托您在使用后将对该软件的详细评价发送给作者(lim@ihep.ac.cn),向您表示感谢！

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SAXS Data Pre-process V2.0.0, Programed By Li Ming. IHEP. [Click to mail to me!](#)

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$\tilde{O} \sim Y$ $Y \rightarrow \text{gluon} + \gamma$

*Please input the parameters:

Distance from Sample to Detector (m):	1.5
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Beam Stop: Outer Diameter (mm)	17.889	Inner Diameter (mm):	8
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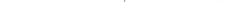
Pixel Size (mm):	0.079
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Detector Background Intensity (Counts/Pixel): 7.35

Wave Length (nm) :	0.154
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Eliminate Noise Points: ☐

Center Deciding:

Center in Each Image:  Ō

Searching Ring 1:	Radius	Automatic	Δr	Automatic	Angle From <input type="text" value="0"/>	° To <input type="text" value="360"/>	°	<input checked="" type="checkbox"/>
Consider-								

Consider-
ing
center
intensity

Searching Radius Automatic Δr Automatic Angle From 0 ° To 360 ° Consider-

Consider-
ing
center
intensity

Select a file to calculate
center and set integral parameters:

F:\hanbx\JS_BLANK.0001.tif

Select the Bacth
Processing Open-Directory:

F:\hanbx\

Select the Bacth
Processing Save-Directory:

F:\hanbx\

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1. Find Center

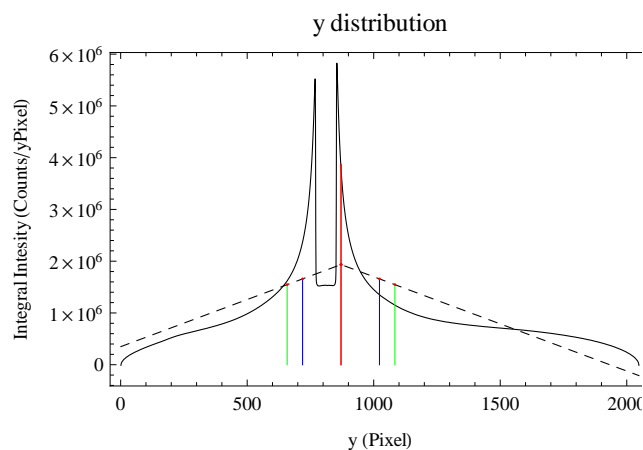
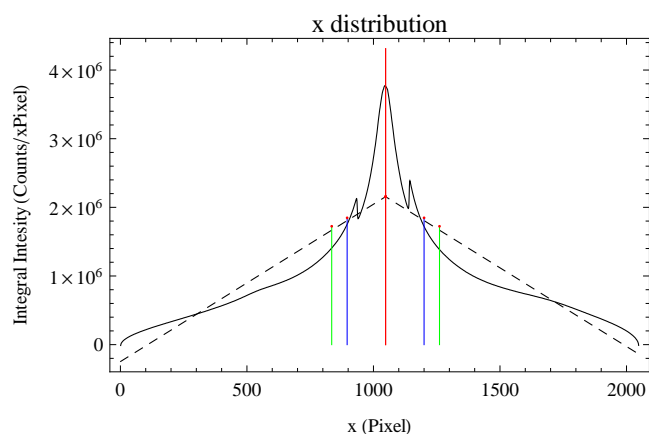
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F:\hanbx\JS_BLANK.0001.tif

* Cursorily Search center:

Most Cursory center: (1048.,870.816).



* Refinedly Search center:

Ring1 Radiuses: {152, 156}, Ring2 Radiuses: {213, 217}

Searching Ring Center...

-> Ring1 preliminarily:

Ring1 Preliminary Center is (1045.,808.).

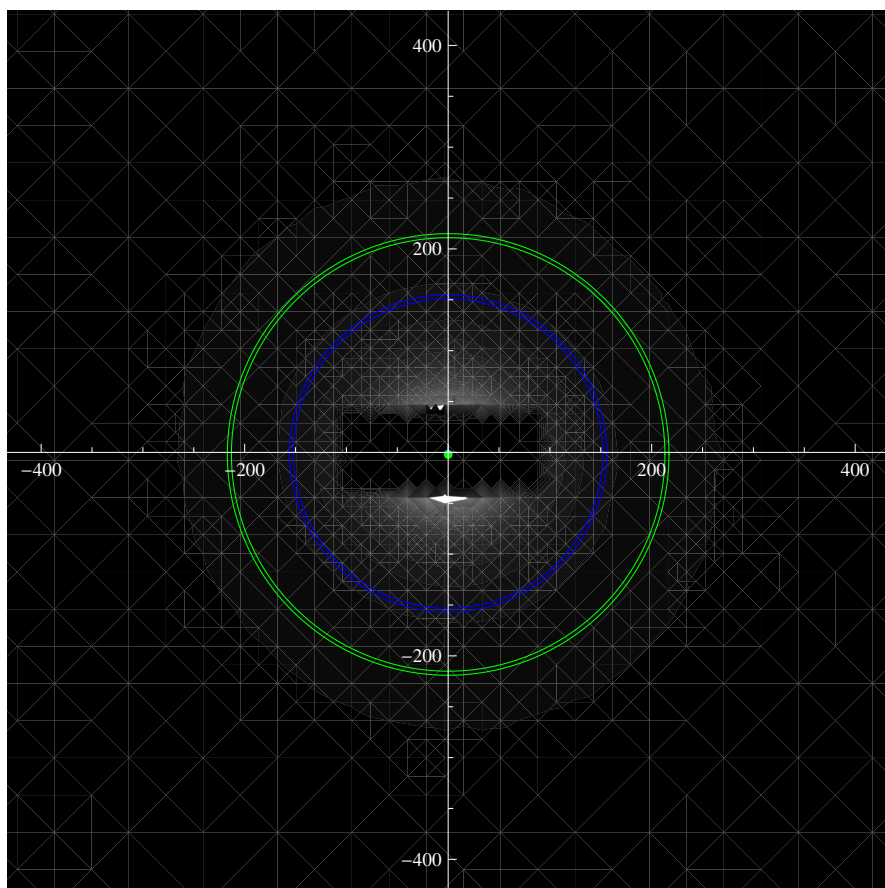
-> Ring1 finally:

Ring1 Finally Center is (1046.,812.).

-> Ring2 finally:

Ring2 Finally Center is (1046.,811.).

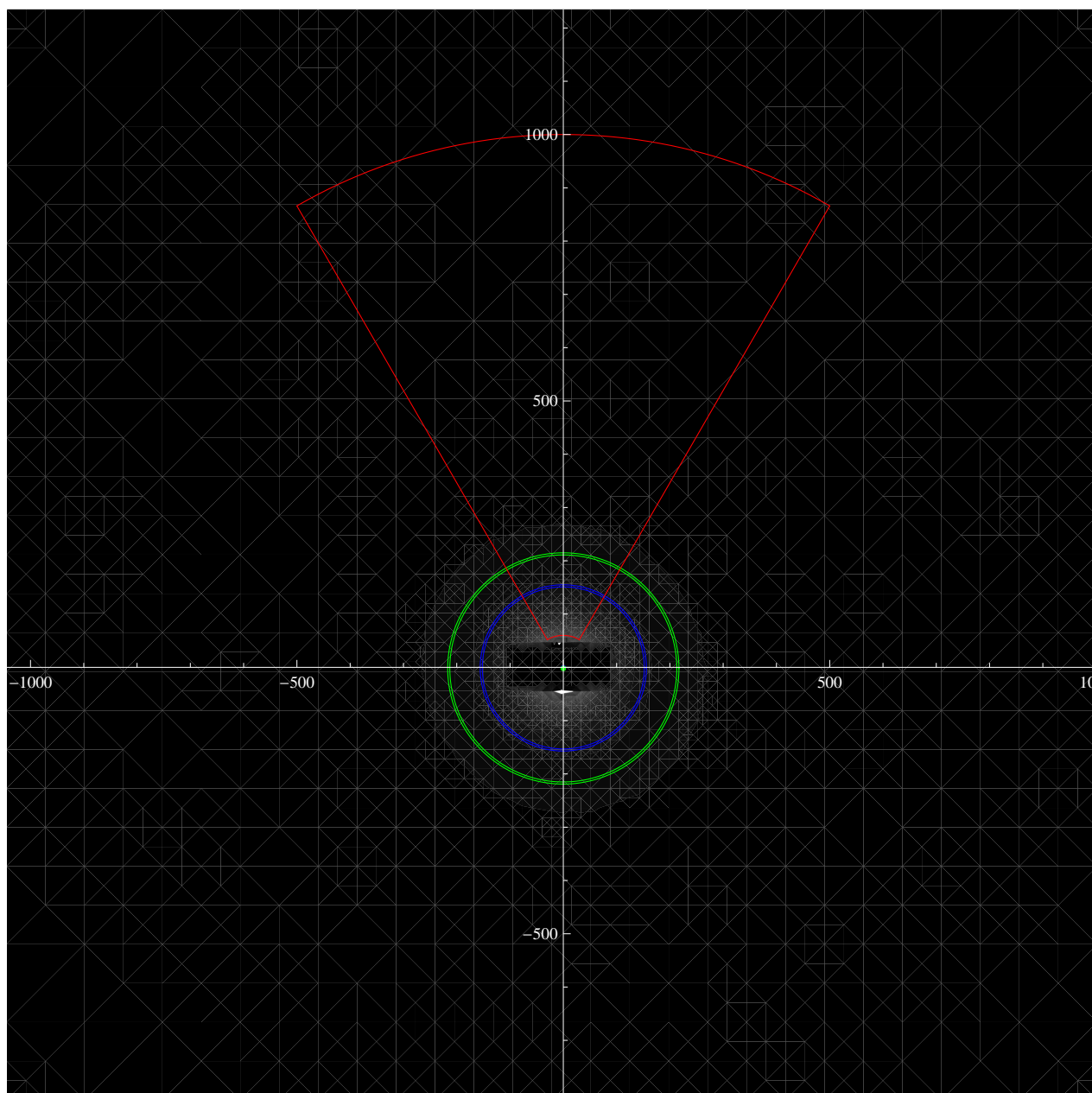
-> Final Evaluate Center is (1046.,813.054).



2. Batch Program

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* Confirm the integral parameters:



Integral: $\theta_1 = -30^\circ$, $\theta_2 = 30^\circ$, $r_1 = 60$, $r_2 = 1000$,
 $Q_1 = 0.128927 \text{ nm}^{-1}$, $Q_2 = 2.14656 \text{ nm}^{-1}$, $nQ = 941$, PixelDeviding=3

*

F:\hanbx\JS_BLANK.0001.tif

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*** Refinedly Search center:**

Ring1 Radiuses: {152, 156}, Ring2 Radiuses: {213, 217}

Searching Ring Center...

-> Ring1 preliminarily:

Ring1 Preliminary Center is (1044., 811.).

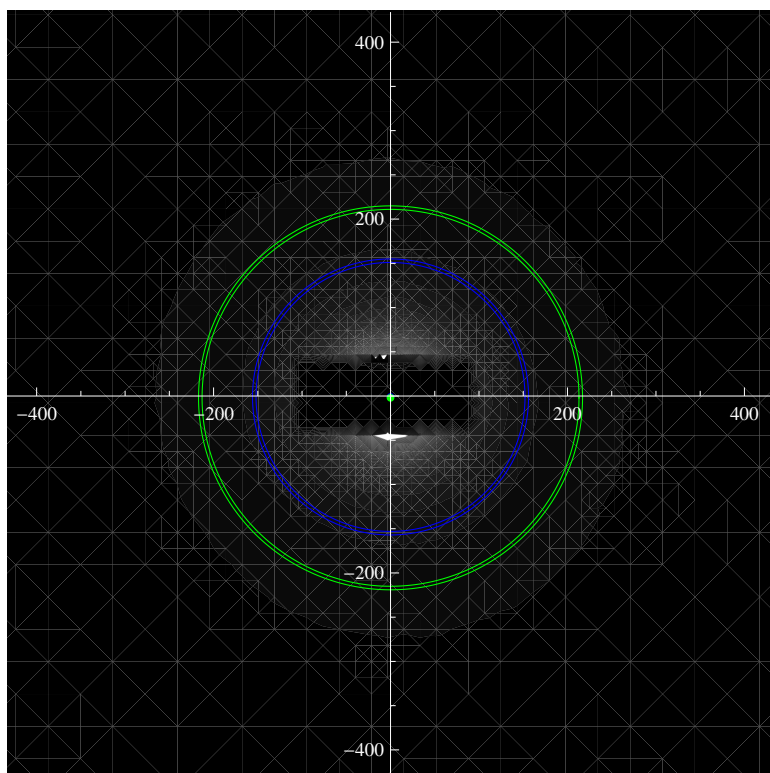
-> Ring1 finally:

Ring1 Finally Center is (1046., 812.).

-> Ring2 finally:

Ring2 Finally Center is (1046.,811.).

-> Final Evaluate Center is (1046.,813.054).

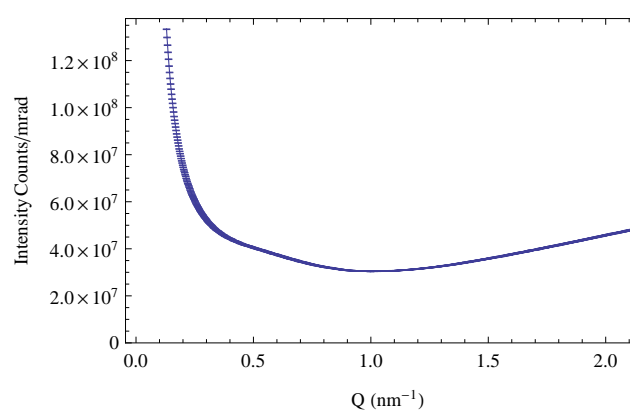
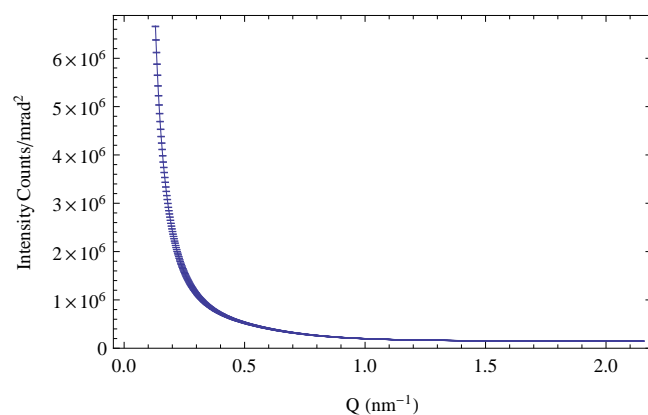


* Integrating:

Calculating Intensities and Standard Errors...

Calculating Angles...

File: "F:\hanbx\JS_BLANK.0001.tif.chi" has been generated!



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F:\hanbx\js-c4-0.0002.tif-----

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* Refinedly Search center:

Ring1 Radiuses: {152, 156}, Ring2 Radiuses: {213, 217}

Searching Ring Center...

-> Ring1 preliminarily:

Ring1 Preliminary Center is (1044.,811.).

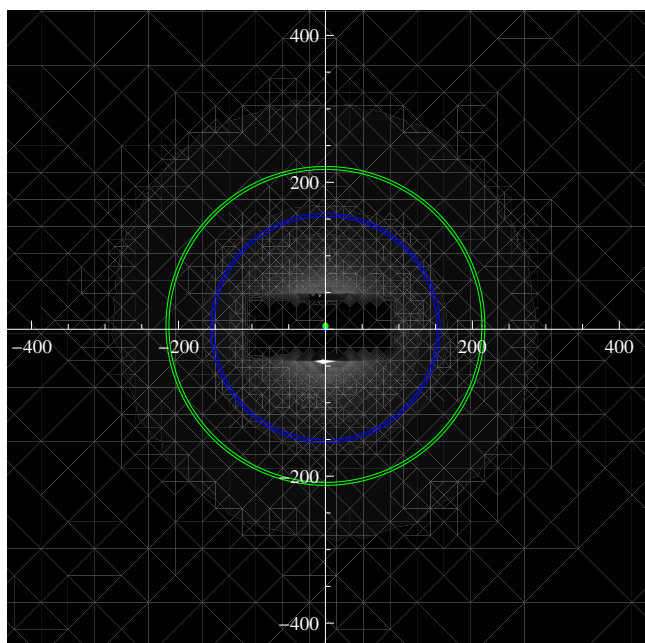
-> Ring1 finally:

Ring1 Finally Center is (1046.,813.).

-> Ring2 finally:

Ring2 Finally Center is (1046.,816.).

-> Final Evaluate Center is (1046.,811.426).

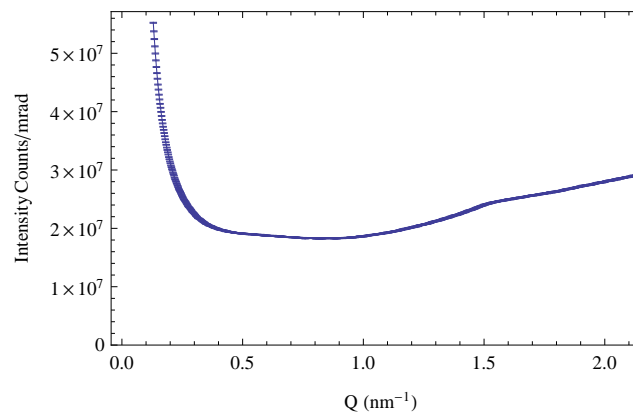
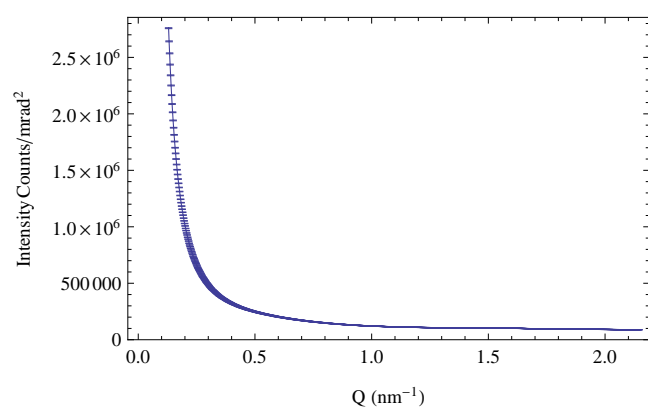


* Integrating:

Calculating Intensities and Standard Errors...

Calculating Angles...

File: "F:\hanbx\js-c4-0.0002.tif.chi" has been generated!



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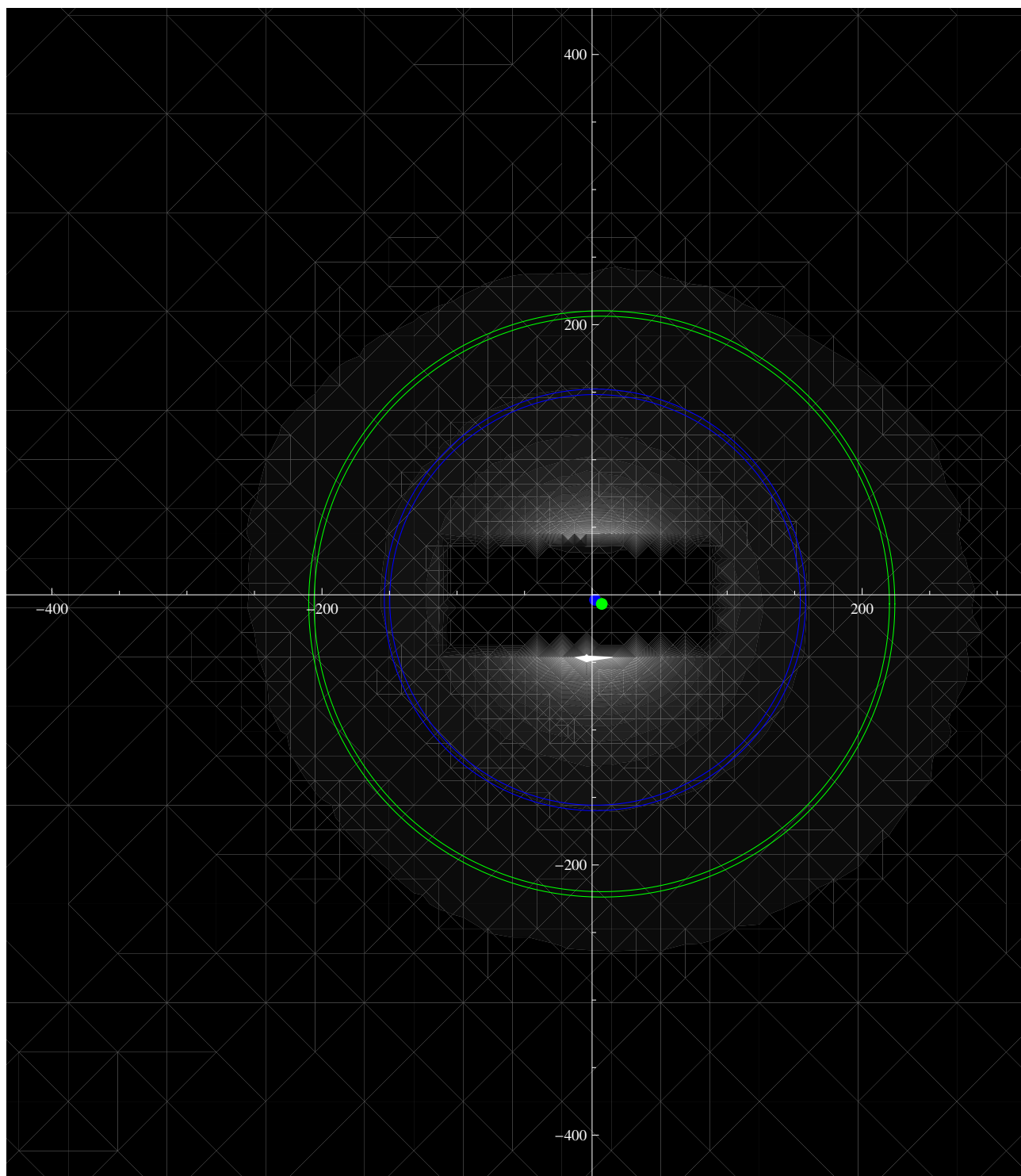
F:\hanbx\js-c4-2.0003.tif-----

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* Refinedly Search center:

Ring1 Radiuses: {152, 156}, Ring2 Radiuses: {213, 217}

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Searching Ring Center...
-> Ring1 preliminarily:
Ring1 Preliminary Center is (1044.,809.).
-> Ring1 finally:
Ring1 Finally Center is (1049.,811.).
-> Ring2 finally:
Ring2 Finally Center is (1054.,808.).
-> Final Evaluate Center is (1046.83,814.737).
```

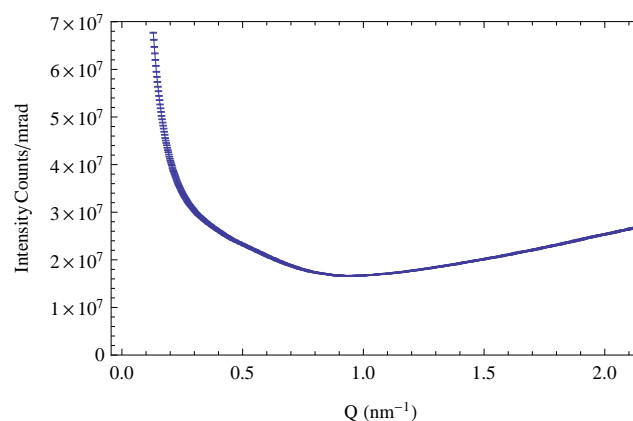
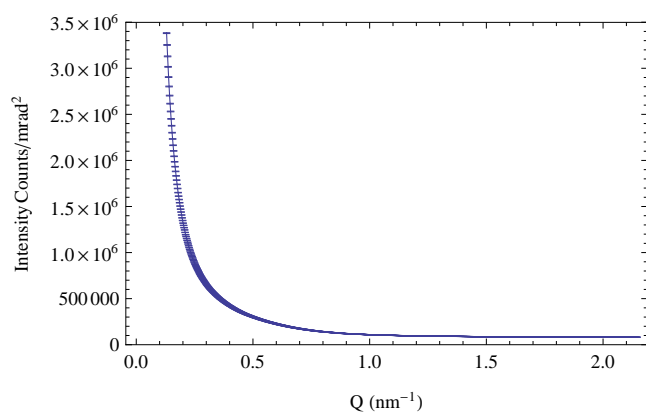


*** Integrating:**

Calculating Intensities and Standard Errors...

Calculating Angles...

File: "F:\hanbx\js-c4-2.0003.tif.chi" has been generated!



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F:\hanbx\js-blank.0004

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*** Refinedly Search center:**

Ring1 Radiuses: {152, 156}, Ring2 Radiuses: {213, 217}

Searching Ring Center...

-> Ring1 preliminarily:

Ring1 Preliminary Center is (1044.,812.).

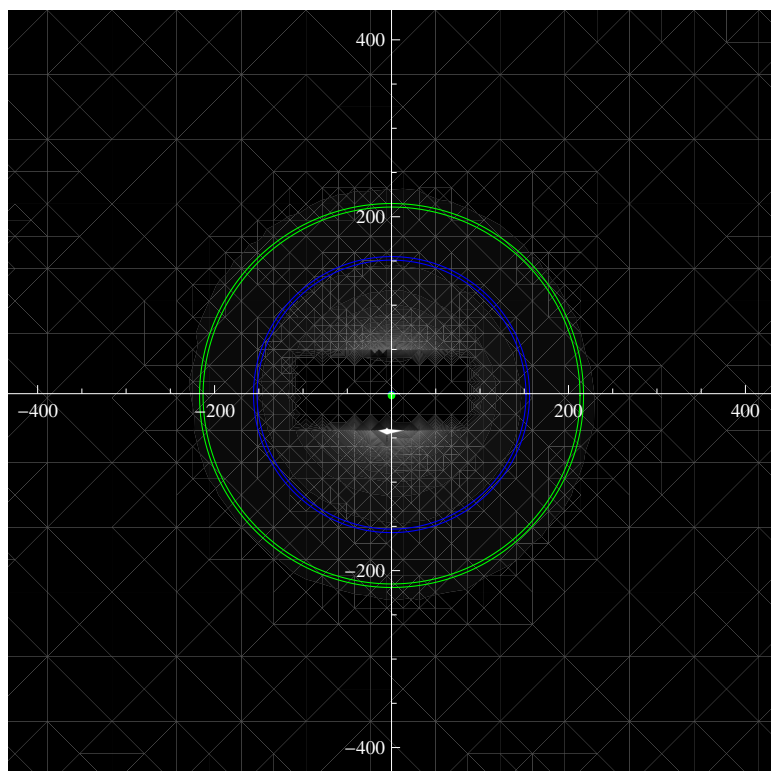
-> Ring1 finally:

Ring1 Finally Center is (1048.,809.).

-> Ring2 finally:

Ring2 Finally Center is (1048.,808.).

-> Final Evaluate Center is (1048.,810.054.).

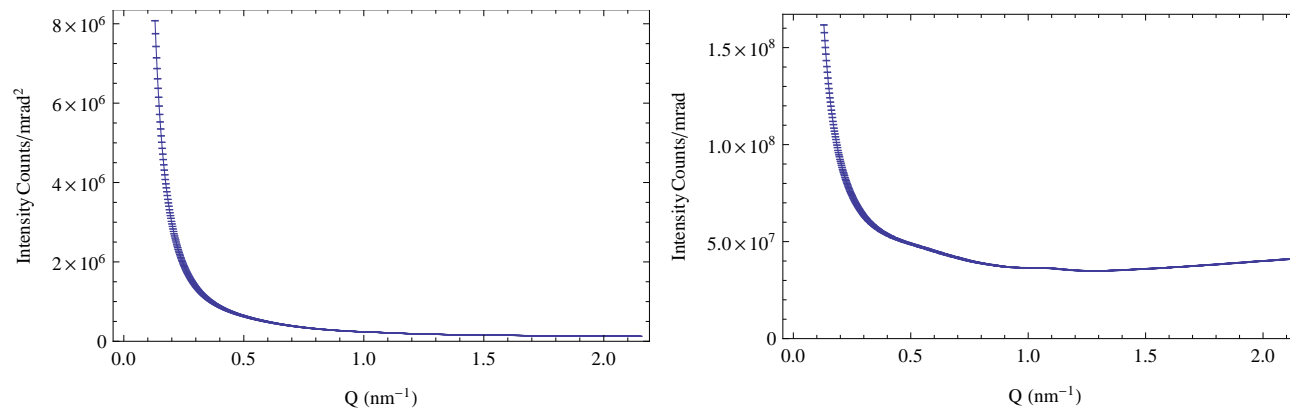


*** Integrating:**

Calculating Intensities and Standard Errors...

Calculating Angles...

File: "F:\hanbx\js-blank.0004.chi" has been generated!



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F:\hanbx\js-blank.0005-----
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*** Refinedly Search center:**

Ring1 Radiuses: {152, 156}, Ring2 Radiuses: {213, 217}

Searching Ring Center...

-> Ring1 preliminarily:

Ring1 Preliminary Center is (1046.,808.).

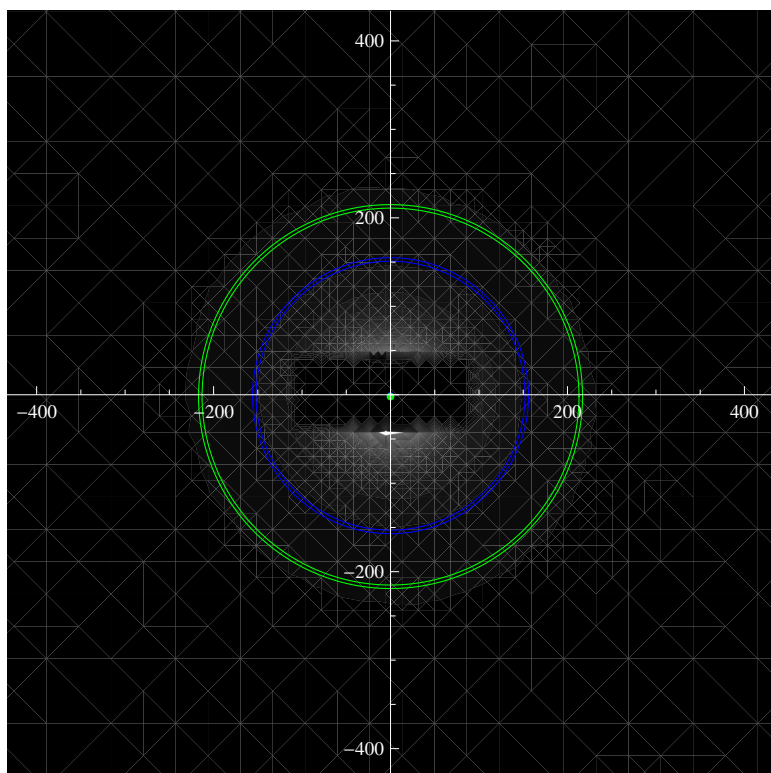
-> Ring1 finally:

Ring1 Finally Center is (1048.,810.).

-> Ring2 finally:

Ring2 Finally Center is (1048.,809.).

-> Final Evaluate Center is (1048.,811.054).

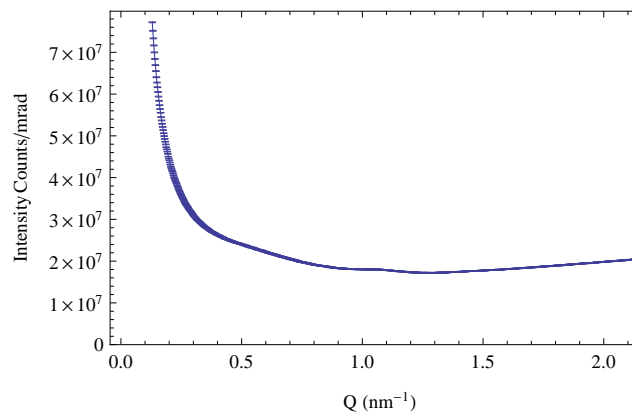
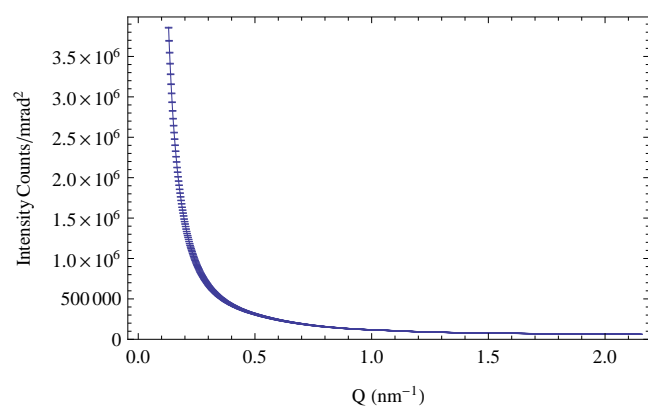


* Integrating:

Calculating Intensities and Standard Errors...

Calculating Angles...

File: "F:\hanbx\js-blank.0005.chi" has been generated!



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F:\hanbx\js-c4-0.0006

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* Refinedly Search center:

Ring1 Radiuses: {152, 156}, Ring2 Radiuses: {213, 217}

Searching Ring Center...

-> Ring1 preliminarily:

Ring1 Preliminary Center is (1046.,809.).

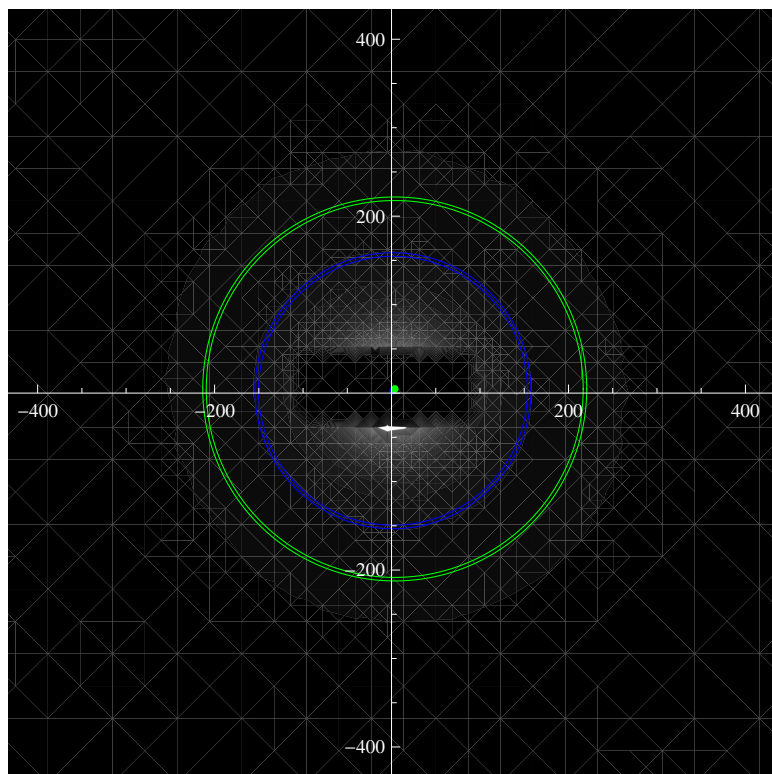
-> Ring1 finally:

Ring1 Finally Center is (1049.,810.).

-> Ring2 finally:

Ring2 Finally Center is (1051.,812.).

-> Final Evaluate Center is (1047.39,807.322).

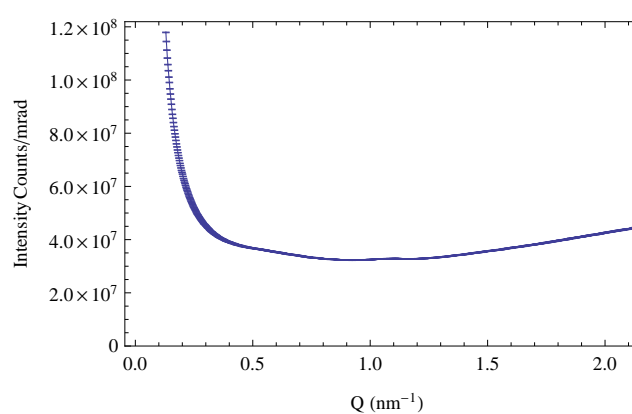
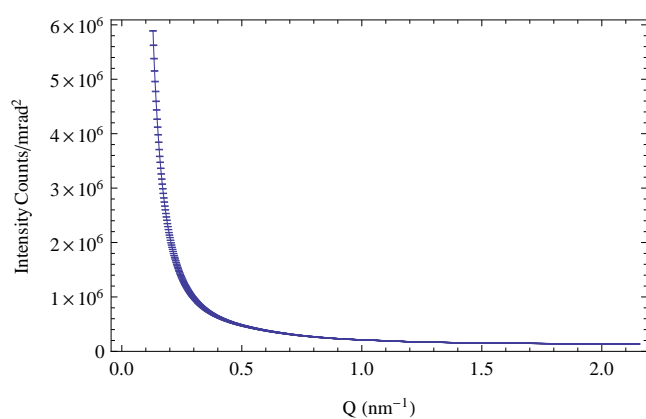


* Integrating:

Calculating Intensities and Standard Errors...

Calculating Angles...

File: "F:\hanbx\js-c4-0.0006.chi" has been generated!



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F:\hanbx\js-c4-1.0007-----

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* Refinedly Search center:

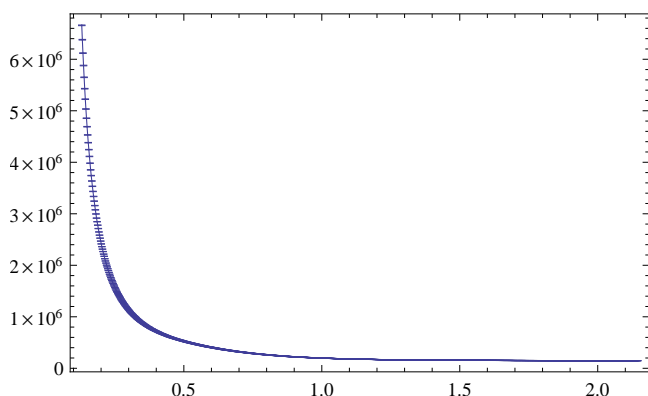
Ring1 Radiuses: {152, 156}, Ring2 Radiuses: {213, 217}

Searching Ring Center...

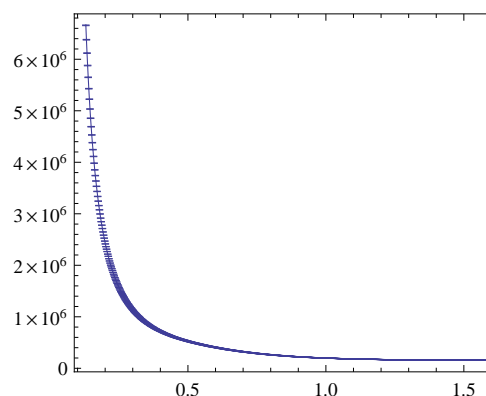
-> Ring1 preliminarily:

Stopped by user!

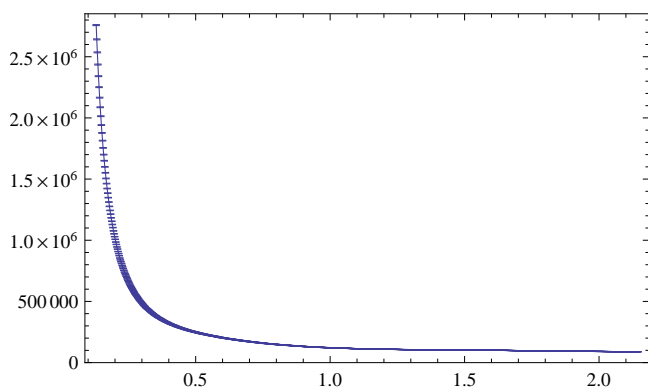
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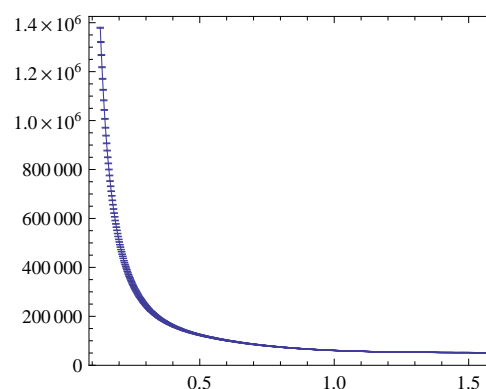
/ 1 =



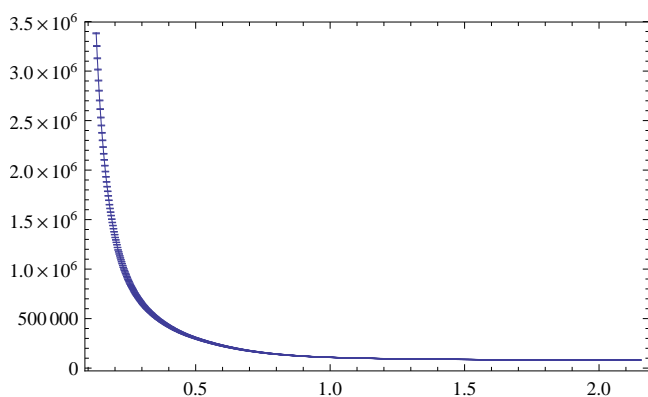
File: "F:\hanbx\JS_BLANK.0001.tif.chi_dataNormalize_New
Text Document.txt.chi" has been generated!



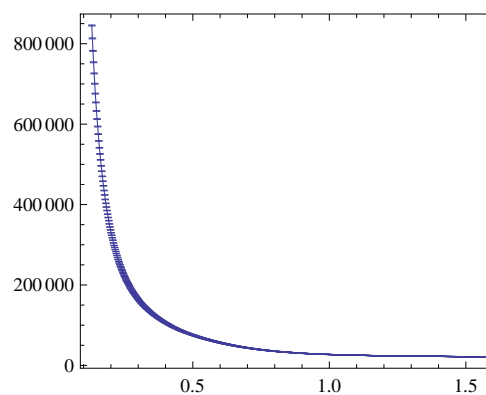
/ 2 =



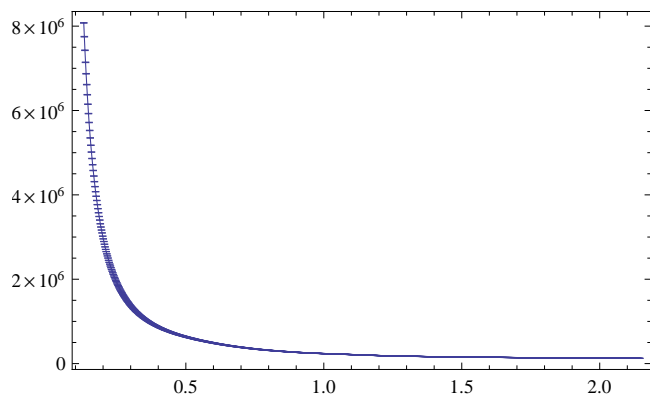
File: "F:\hanbx\js-c4-0.0002.tif.chi_dataNormalize_New
Text Document.txt.chi" has been generated!



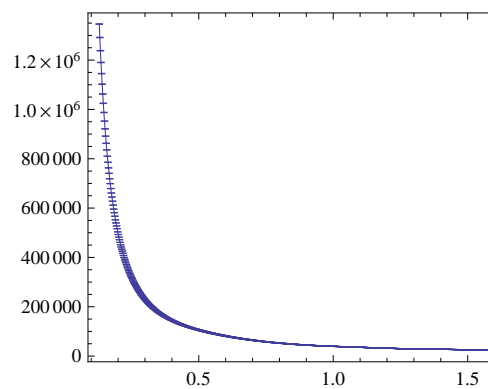
/ 4 =



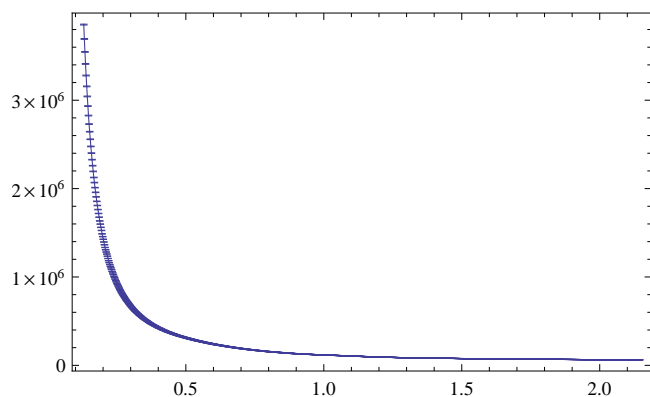
File: "F:\hanbx\js-c4-2.0003.tif.chi_dataNormalize_New
Text Document.txt.chi" has been generated!



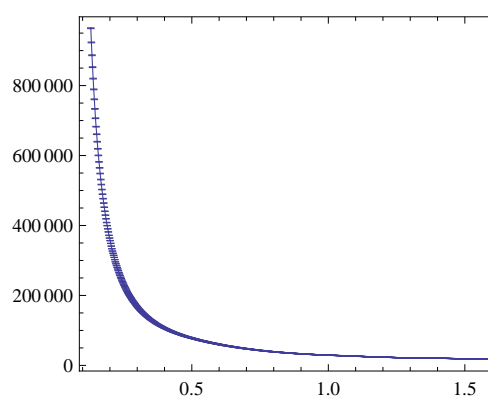
/ 6 =



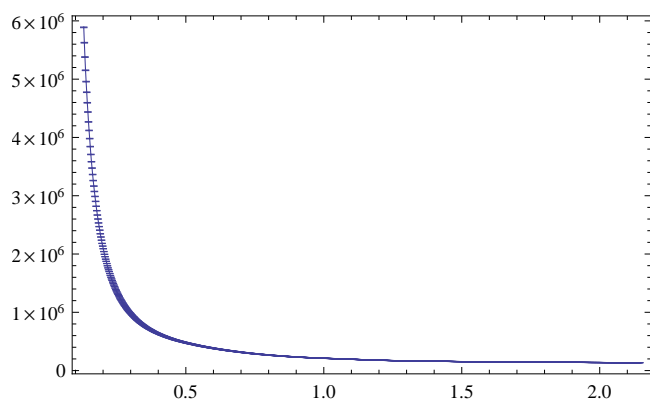
File: "F:\hanbx\js-blank.0004.chi_dataNormalize_New
Text Document.txt.chi" has been generated!



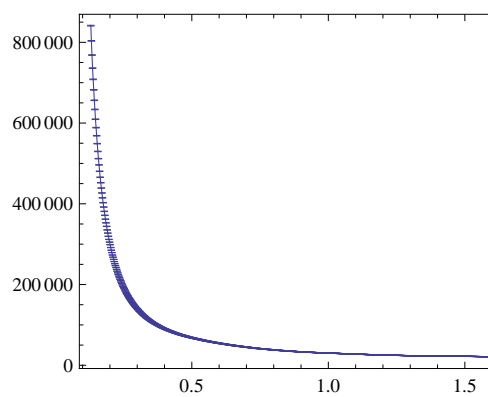
/ 4 =



File: "F:\hanbx\js-blank.0005.chi_dataNormalize_New
Text Document.txt.chi" has been generated!



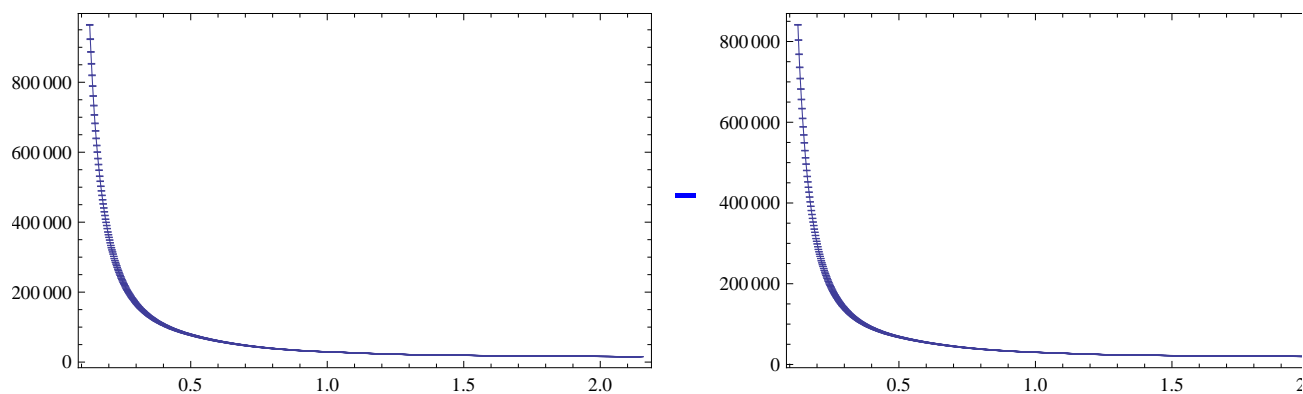
/ 7 =



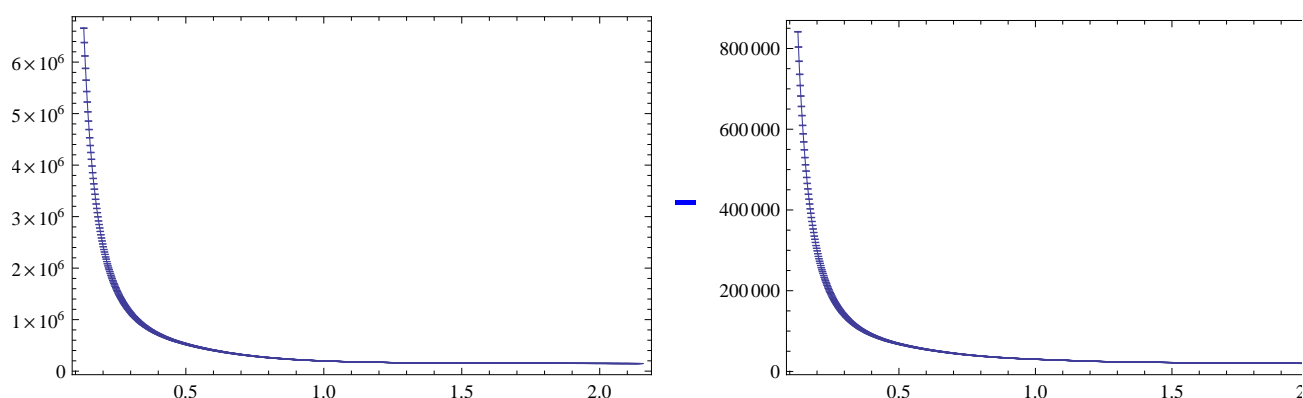
File: "F:\hanbx\js-c4-0.0006.chi_dataNormalize_New
Text Document.txt.chi" has been generated!

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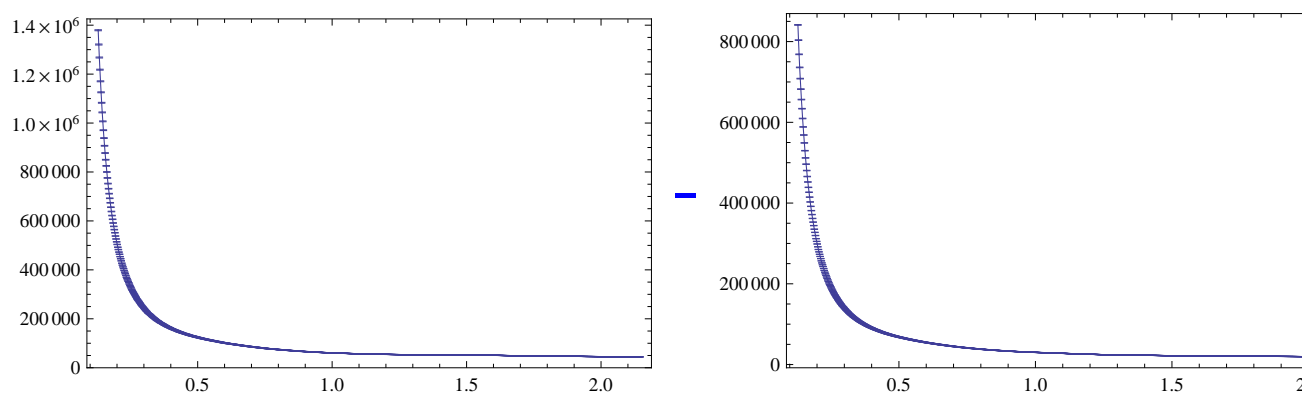




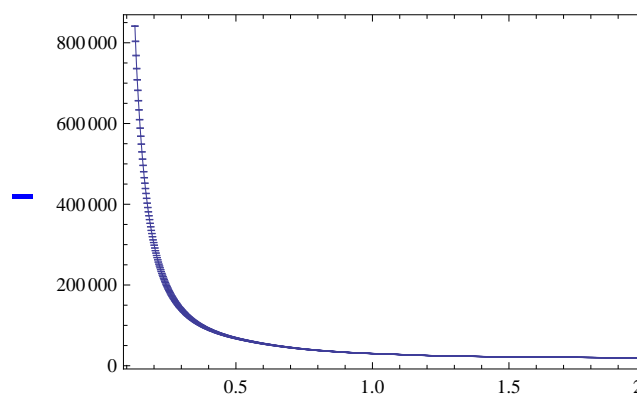
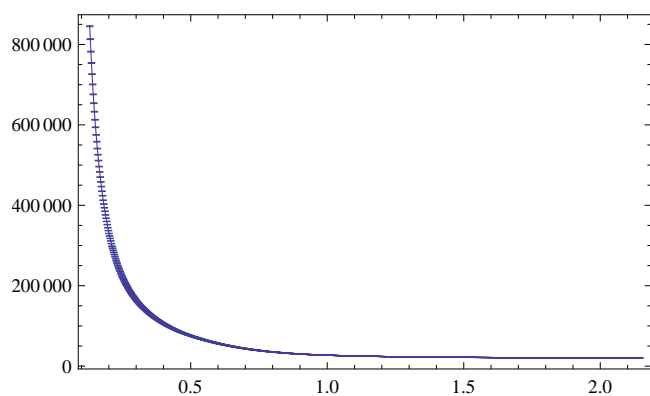
File: "F:\hanbx\js-blank.0005.chi_dataNormalize_New Text
 Document.txt.chi_dataSubtract_js-c4-0.0006.chi_dataNormalize_New
 Text Document.txt.chi.chi" has been generated!



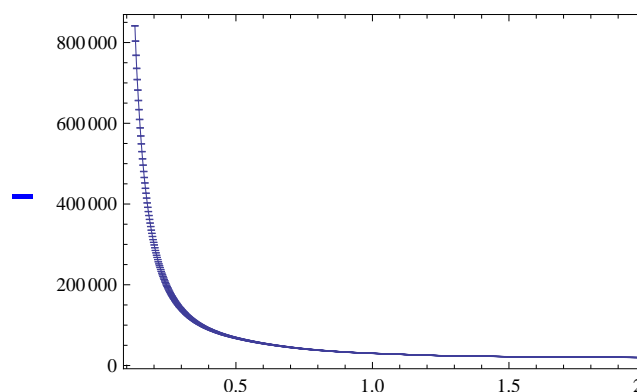
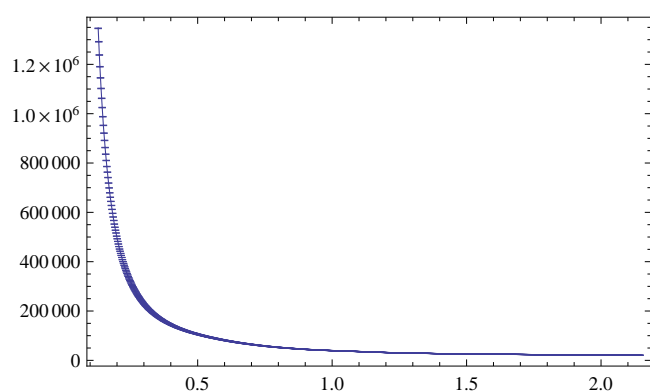
File: "F:\hanbx\JS_BLANK.0001.tif.chi_dataNormalize_New Text
 Document.txt.chi_dataSubtract_js-c4-0.0006.chi_dataNormalize_New
 Text Document.txt.chi.chi" has been generated!



File: "F:\hanbx\js-c4-0.0002.tif.chi_dataNormalize_New Text
 Document.txt.chi_dataSubtract_js-c4-0.0006.chi_dataNormalize_New
 Text Document.txt.chi.chi" has been generated!



File: "F:\hanbx\js-c4-2.0003.tif.chi_dataNormalize_New Text
Document.txt.chi_dataSubtract_js-c4-0.0006.chi_dataNormalize_New
Text Document.txt.chi.chi" has been generated!



File: "F:\hanbx\js-blank.0004.chi_dataNormalize_New Text
Document.txt.chi_dataSubtract_js-c4-0.0006.chi_dataNormalize_New
Text Document.txt.chi.chi" has been generated!

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