







**Sample: NewProject.aprxl**

Project file:

NewProject.aprxl

Layer Descr.	Density (g/cm <sup>3</sup> )	Thick. (nm)	Rough. (nm)	Lat. Corr. (nm)	HR Indices	Omega (°)	Relax. (%)	Delta (*1e8)	Beta (*1e8)	Electron Density (A <sup>3</sup> )	dz/z (*1e2)	dx/x (*1e2)	a (Å)	b (Å)	c (Å)
Sub., -, Si [Diamond]	2.328	600000	1	100	0 0 1	34.5642	0	756.86	17.3	0.71102	0	0	5.43105	5.43105	5.43105

**Simulation Details:**

Scan Name: NewSample.x01

Scan Type: Specular Scan

Wavelength (Å): 1.5406, Energy (keV): 8.04729

Scan Start (deg): 0, Scan End (deg): 2, Scan Step (deg): 0.001

Monochromator: None

Intensity (cps): 1000000, Background (cps): 0

**Fitting Details:**

Sample file: NewSample.asamx1

Measured scan file:

Simulated scan name: NewSample.x01

Simulated scan fitted to: Absolute Angle, Measured scan fitted to: Absolute Angle

Optimization algorithm: Powell

Difference scheme: Square Log Difference

Powell tolerance: 2