Jeremy Maniago

Crystal C3 Configurations

Wavelength = 1.5 Å

X-ray point source at origin [0, 0, 0]

Half-Angle spread of emission cone = 2.0 degrees

Crystal Sizes = 0.02x0.02 meters­­2

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Crystal | Radius (meters) | 2D-Spacing (meters) | Rocking Curve | Bragg Angles (degrees) | Position/origin (meters) | Normal/zaxis (meters) |
| Crystal C1 (Concave) | 0.823 | 1.732 | 10e-5 | 60 | [0.0, 0.0, 1.4255] | [0.0, 0.5, -0.86603] |
| Crystal C2 (Convex) | 0.47516 | 3.0 | 10e-5 | 30 | [0.0, 0.4115, 1.1879] | [0.0, 0.0, 1] |
| Detector | - | - |  | - | [0.0, 0.823, 1.4255] | [0.0, -0.86603, -0.5] |
|  |  |  |  |  |  |  |
| Crystal C3 (Concave) | 0.47516 | 3.0 | 28e-6 | 30 | [0.0, 0.0, 0.95032] | [0.0, 0.86603, -0.5] |
| Detector | - | - |  | - | [0.0, 0.823, 1.4255] | [0.0, -0.86603, -0.5] |