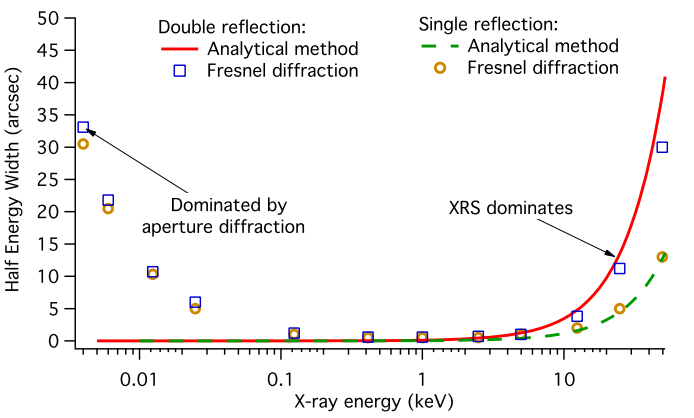
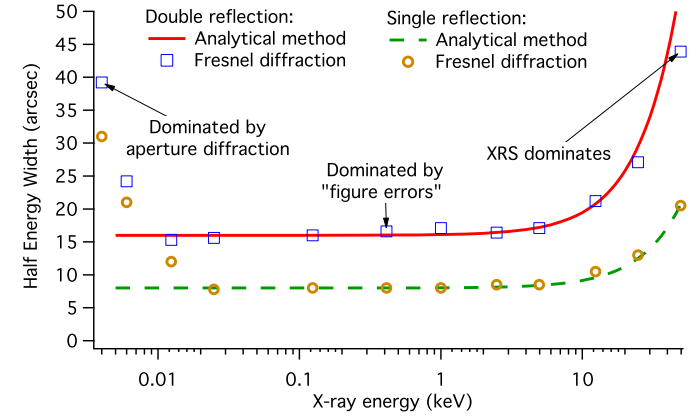

Double reflection:
Analytical method
Fresnel diffraction
Single reflection:
Analytical method
Fresnel diffraction
Dominated by
aperture diffraction
XRS dominates
Half Energy Width (arcsec)
X-ray energy (keV)
0
5
10
15
20
25
30
35
40
45
50
0.01
0.1
1
10

(a)


Double reflection:
Analytical method
Fresnel diffraction
Single reflection:
Analytical method
Fresnel diffraction
Dominated by
aperture diffraction
Dominated by
"figure errors"
XRS dominates
Half Energy Width (arcsec)
X-ray energy (keV)
0
5
10
15
20
25
30
35
40
45
50
0.01
0.1
1
10

(b)