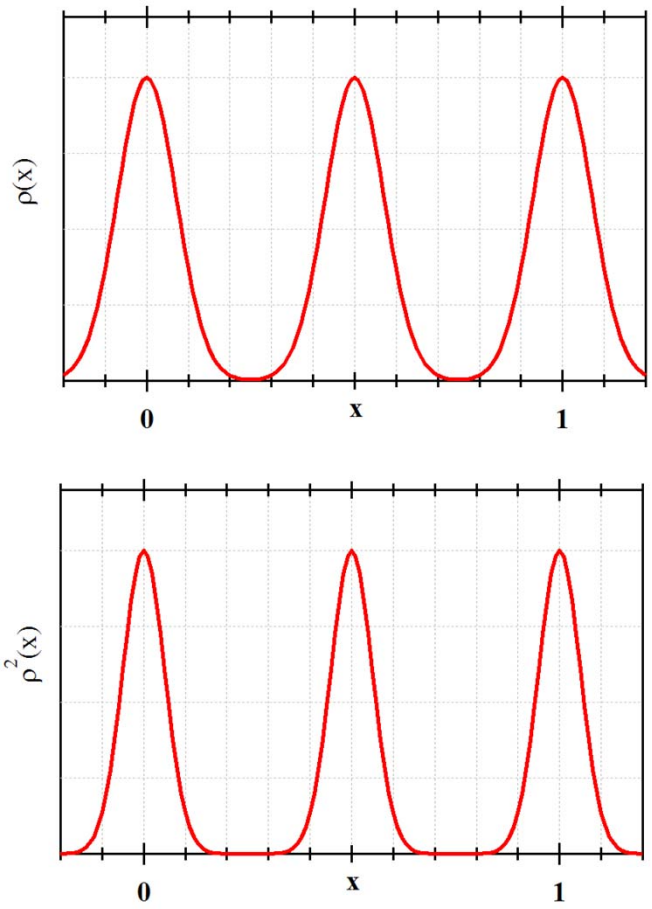
Density vs. Density^2



1-D Structure Factors

Centrosymmetric crystal (Six Atoms):

Z_1	1		x_1	0.06		(2 atoms)																	
Z_2	1		x_2	0.17		(2 atoms)																	
Z_3	1		x_3	0.41		(2 atoms)																	
		h'	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
		$F_{h'}$	6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63	-4.64	-0.62	-1.70	3.32	-0.09	-0.51	0.89	-0.30	5.49	2.15	2.02	-0.38	-3.48
h	F_h	$F_{h+h'}$																						
0	6.00		6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63	-4.64	-0.62	-1.70	3.32	-0.09	-0.51	0.89	-0.30	5.49	2.15	2.02	-0.38	-3.48
1	1.13			6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63	-4.64	-0.62	-1.70	3.32	-0.09	-0.51	0.89	-0.30	5.49	2.15	2.02	-0.38
2	1.24				6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63	-4.64	-0.62	-1.70	3.32	-0.09	-0.51	0.89	-0.30	5.49	2.15	2.02
3	-0.89					6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63	-4.64	-0.62	-1.70	3.32	-0.09	-0.51	0.89	-0.30	5.49	2.15
4	-2.00						6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63	-4.64	-0.62	-1.70	3.32	-0.09	-0.51	0.89	-0.30	5.49
5	2.46							6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63	-4.64	-0.62	-1.70	3.32	-0.09	-0.51	0.89	-0.30
6	-1.23								6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63	-4.64	-0.62	-1.70	3.32	-0.09	-0.51	0.89
7	0.35									6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63	-4.64	-0.62	-1.70	3.32	-0.09	-0.51
8	-3.63										6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63	-4.64	-0.62	-1.70	3.32	-0.09
9	-4.64											6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63	-4.64	-0.62	-1.70	3.32
10	-0.62												6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63	-4.64	-0.62	-1.70
11	-1.70													6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63	-4.64	-0.62
12	3.32														6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63	-4.64
13	-0.09															6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35	-3.63
14	-0.51																6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23	0.35
15	0.89																	6.00	1.13	1.24	-0.89	-2.00	2.46	-1.23
16	-0.30																		6.00	1.13	1.24	-0.89	-2.00	2.46
17	5.49																			6.00	1.13	1.24	-0.89	-2.00
18	2.15																				6.00	1.13	1.24	-0.89
19	2.02																					6.00	1.13	1.24
20	-0.38																						6.00	1.13
21	-3.476																							6.00
22	1.01																							
23	-1.58																							
24	0.96																							
25	-2.00																							
26	-4.68																							

Strong reflections with $S(h+h') = S(h)S(h')$

Strong reflections with $S(h+h') \neq S(h)S(h')$