Incidence angle (degrees) ± 1	Refracted angle (degrees) ± 1	Sin (i)	Sin (r)
-80	-42	-0,985	-0,669
-70	-40	-0,940	-0,643
-60	-36	-0,866	-0,588
-50	-32	-0,766	-0,530
-40	-26	-0,643	-0,438
-30	-20	-0,500	-0,342
-20	-14	-0,342	-0,242
-10	-7	-0,174	-0,122
0	0	0,000	0,000
10	7	0,174	0,122
20	13	0,342	0,225
30	20	0,500	0,342
40	26	0,643	0,438
50	31	0,766	0,515
60	36	0,866	0,588
70	40	0,940	0,643
80	42	0,985	0,669

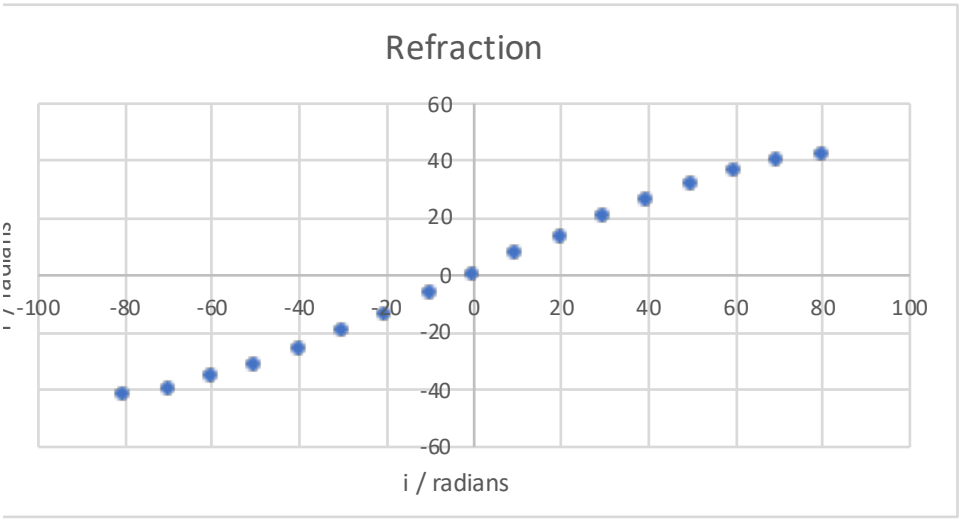
sin (r) = 1/n sin (i)

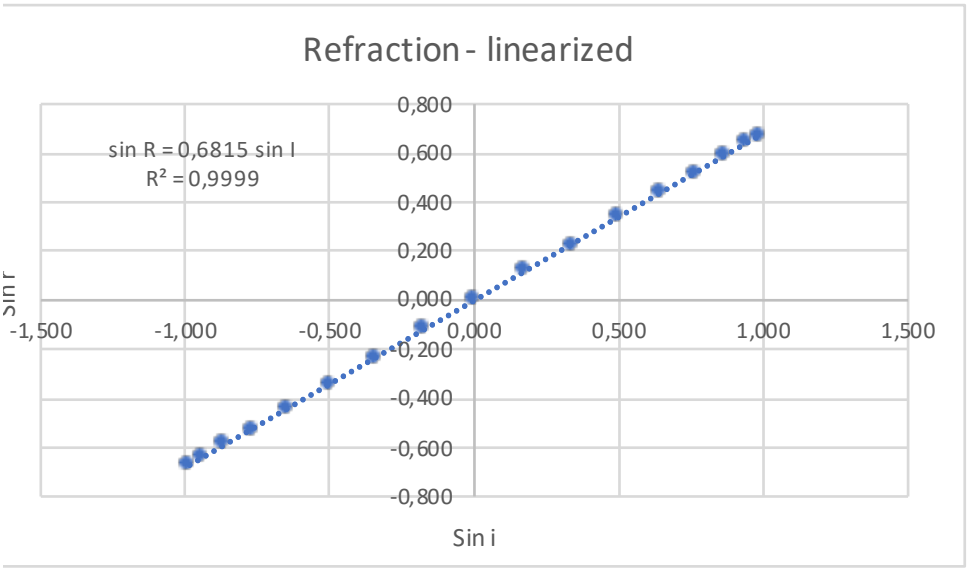
1/n = 0.682 R^2 = 0.999

n = 1/0.682 n = 1.466 uncertainty = 0.009

with relative uncertainty of 0.0058

absolute uncertainty of = 0.00587


Refraction
60
40
20
0
-20
-40
-60
-100
-80
-60
-40
-20
0
20
40
60
80
100
i / radians


Refraction - linearized
sin R = 0,6815 sin I
R² = 0,9999
0,800
0,600
0,400
0,200
0,000
-0,200
-0,400
-0,600
-0,800
-1,500
-1,000
-0,500
0,000
0,500
1,000
1,500
Sin i