

FIG. 6. Refraction geometry for the case of a sphere having index n_1 that is less than the outside index n_2 .

We now consider the effect of finite point source size s

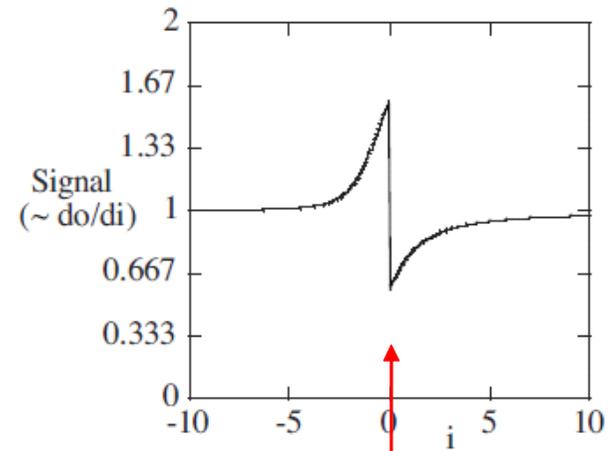


FIG. 7. Signal in units of $p/(p+q)$ vs projected image impact parameter i in units of $(p+q)l/p$, setting for convenience $[p/(p+q)]q\Delta n(2R)^{0.5} = 1$.

modulation phenomenon
photon signal at the detection plane