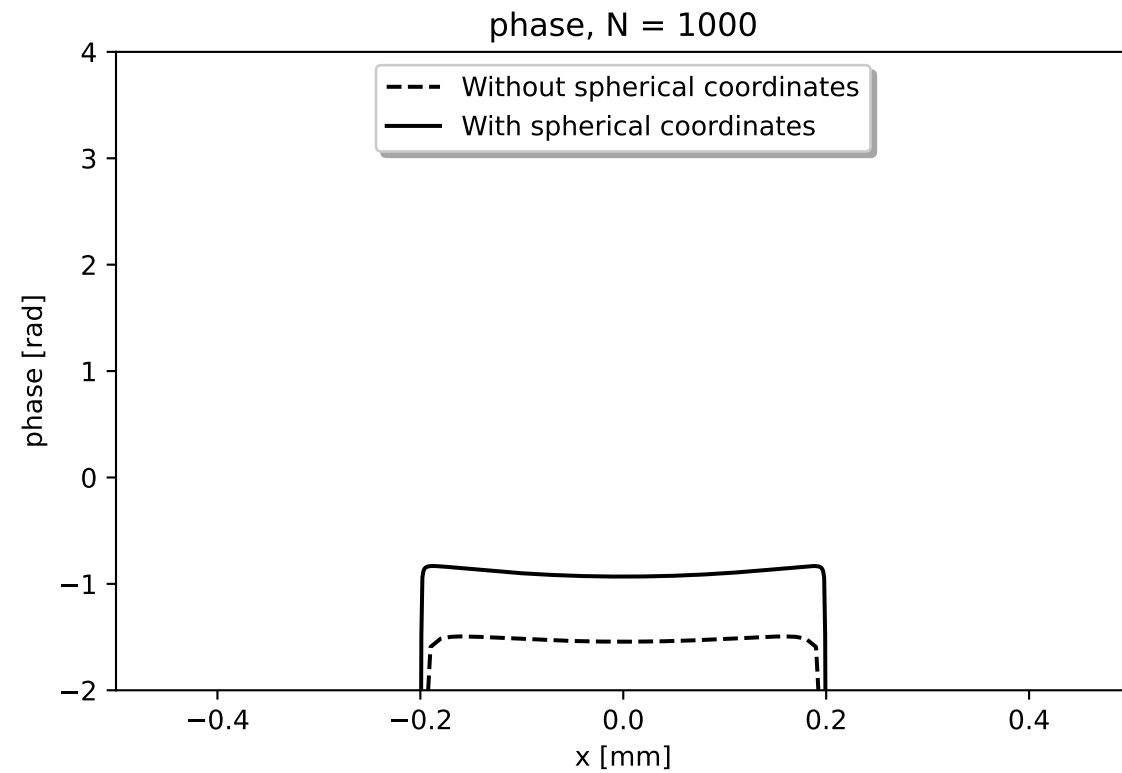
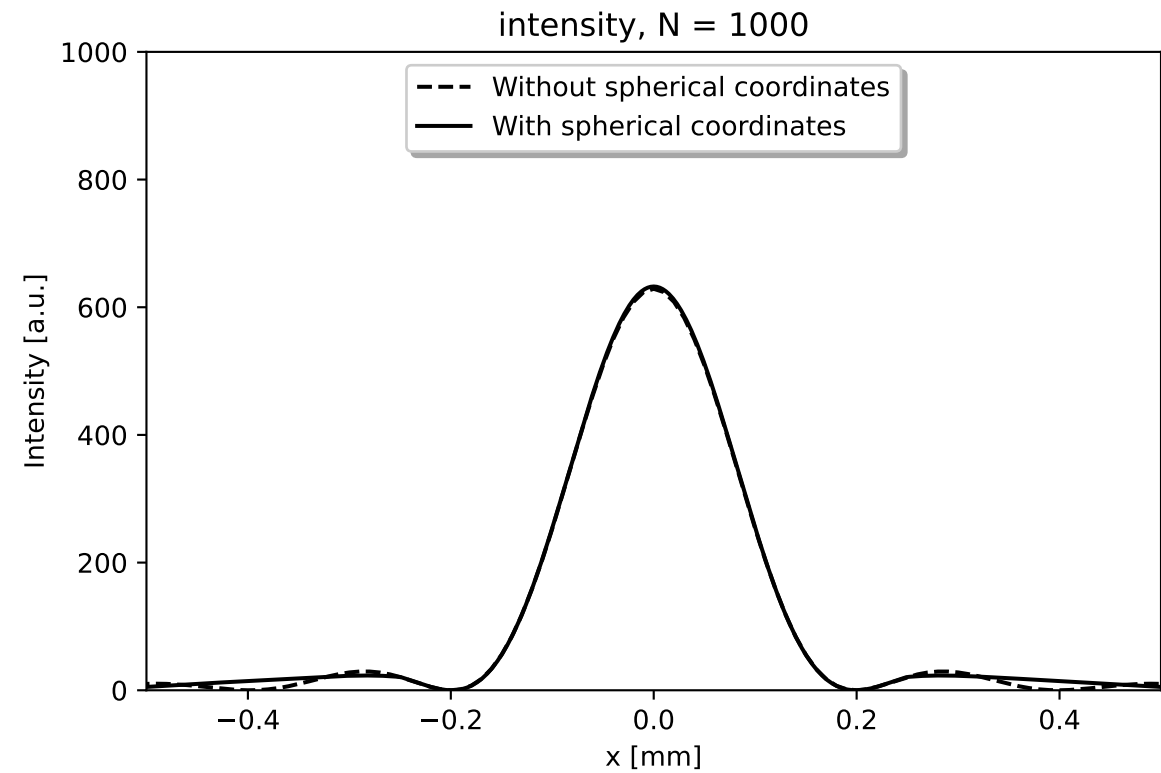


Spherical Coordinates,  $f = 100\text{cm}$  lens  
Grid dimension is: 1000 x 1000 pixels



Without spherical coordinates



With spherical coordinates

