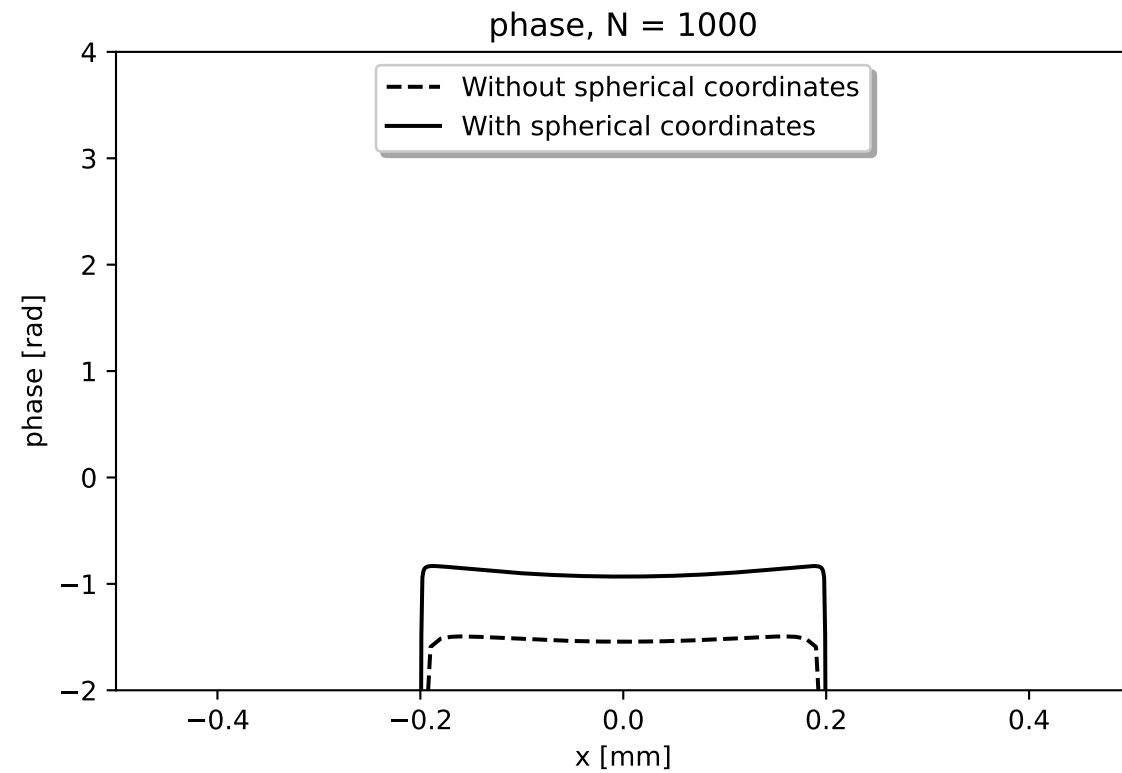
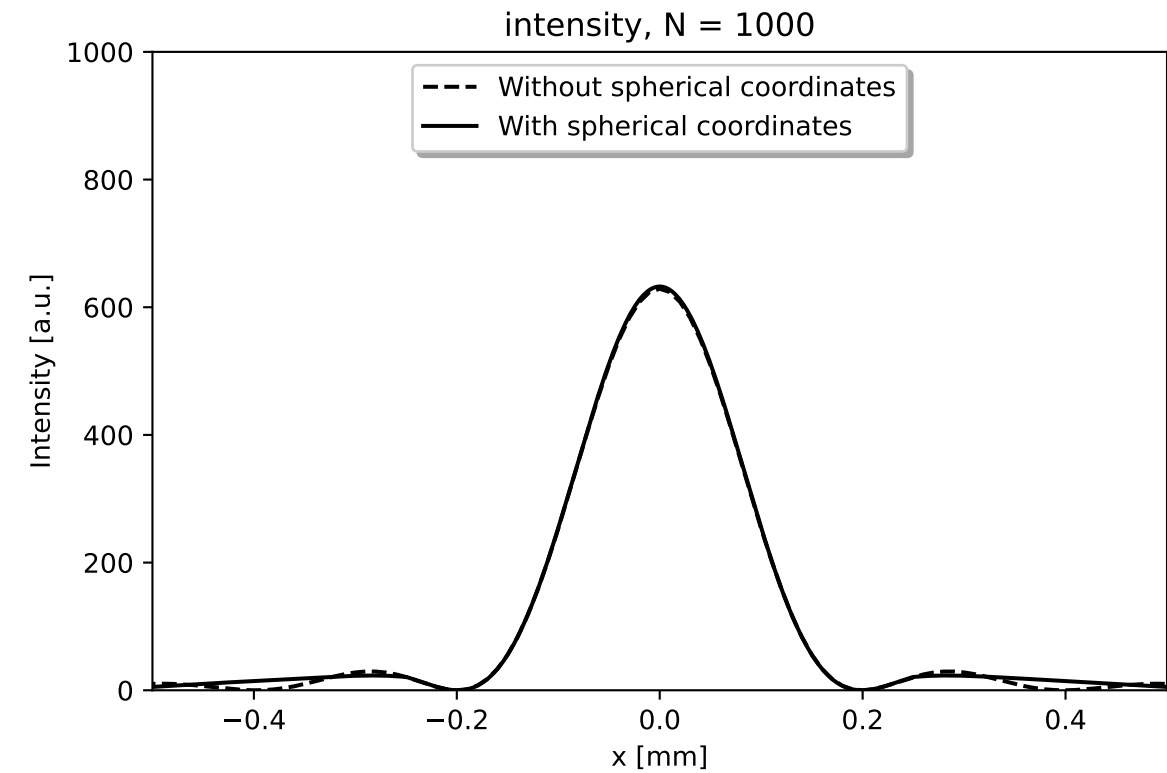


Spherical Coordinates,  $f = 100\text{cm}$  lens  
Grid dimension is:  $1000 \times 1000$  pixels



Without spherical coordinates



With spherical coordinates

