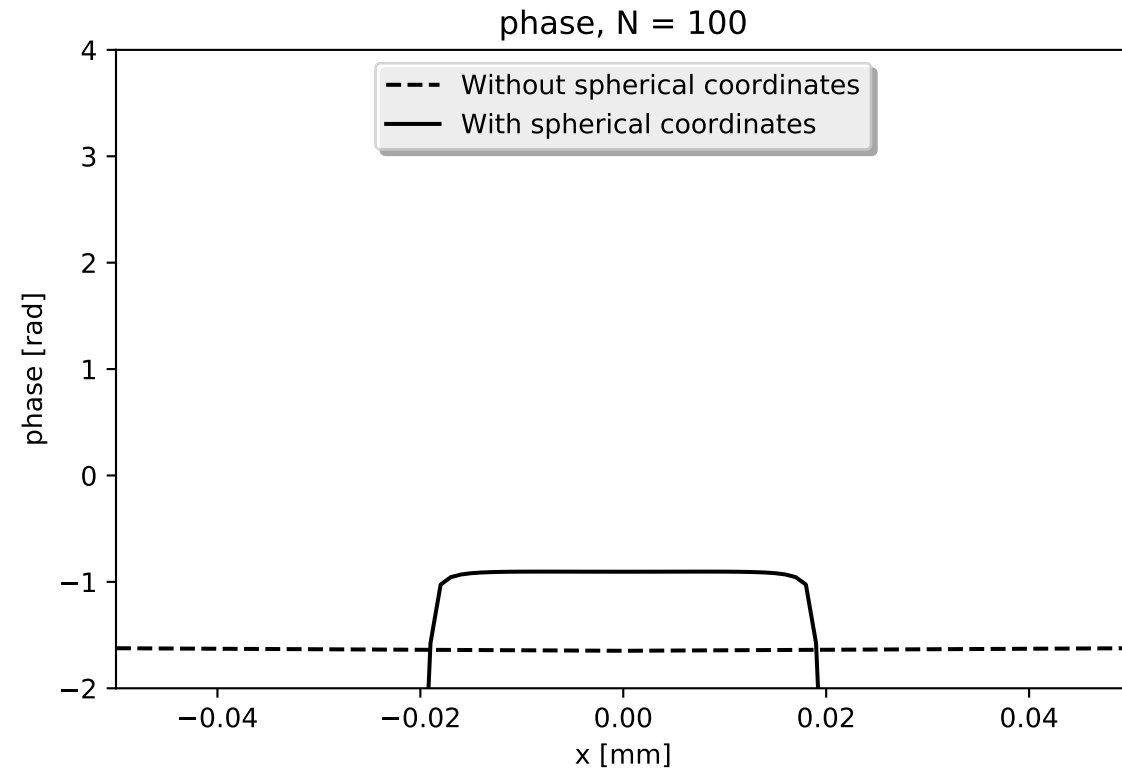
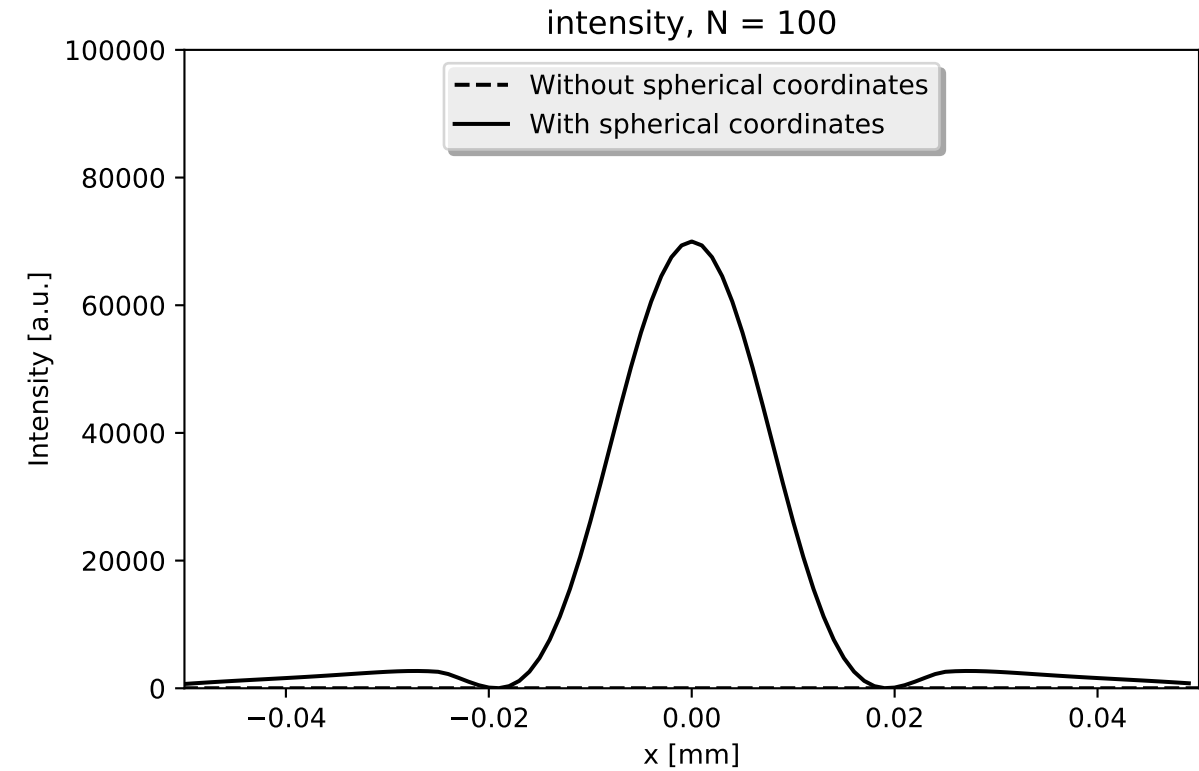


Spherical Coordinates,  $f = 10\text{cm}$  lens  
Grid dimension is: 100 x 100 pixels



Without spherical coordinates



With spherical coordinates

