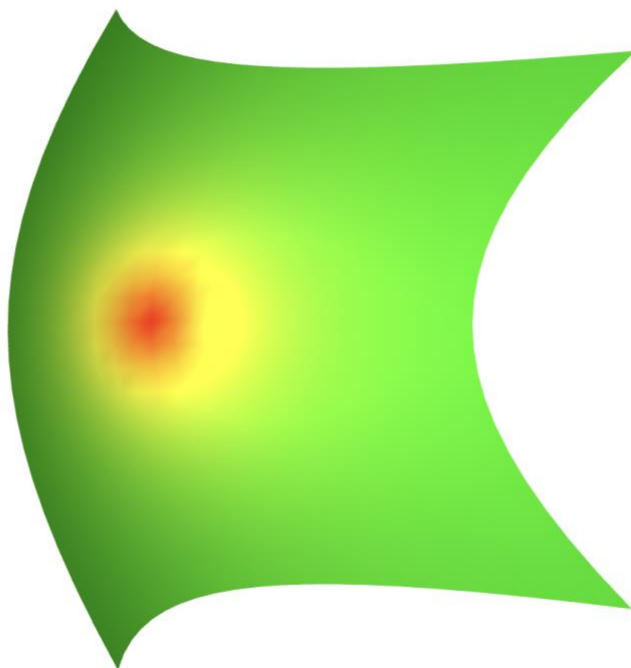


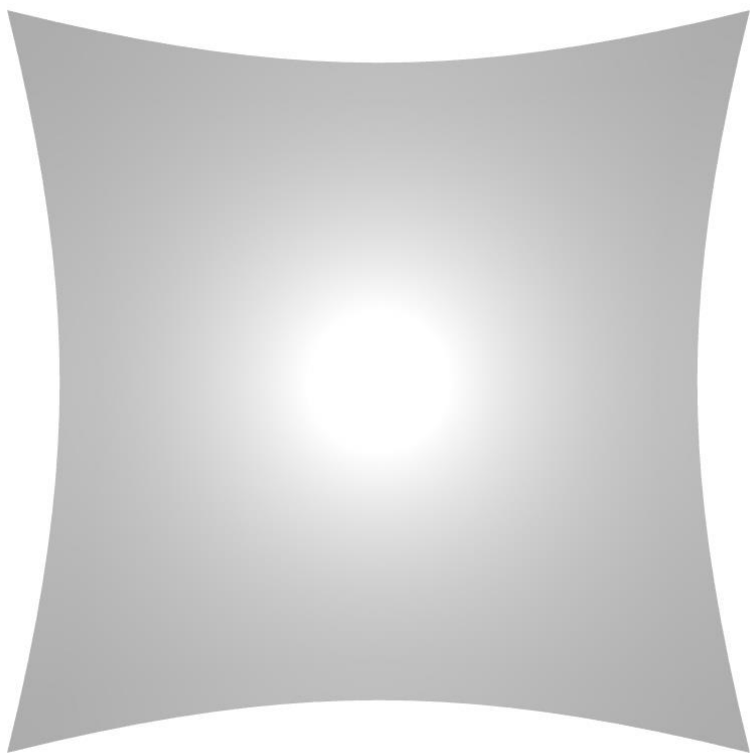
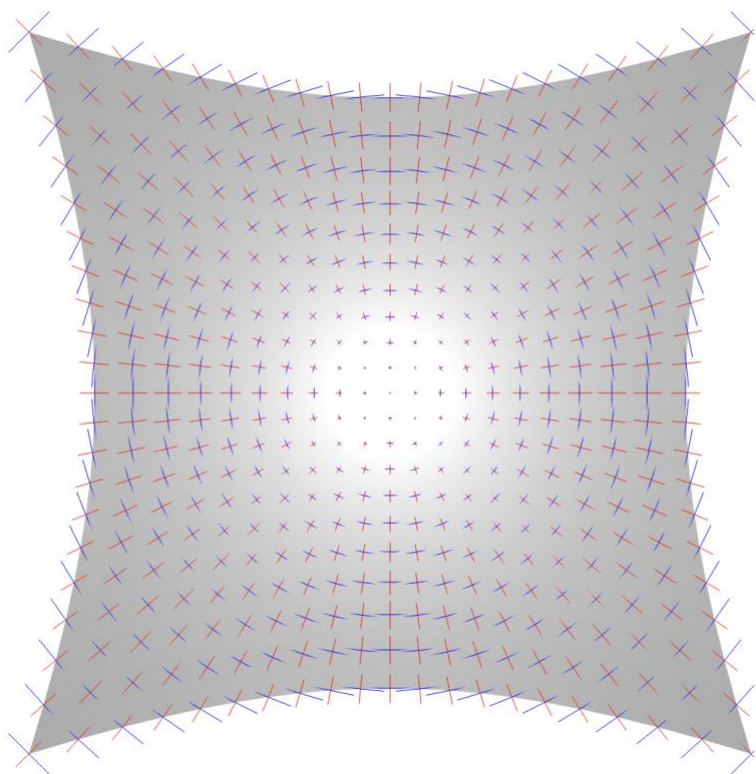
Order of images is the same for all cases

1. Gaussian curvature
2. Mean curvature
3. Principal directions
4. Asymptotic directions

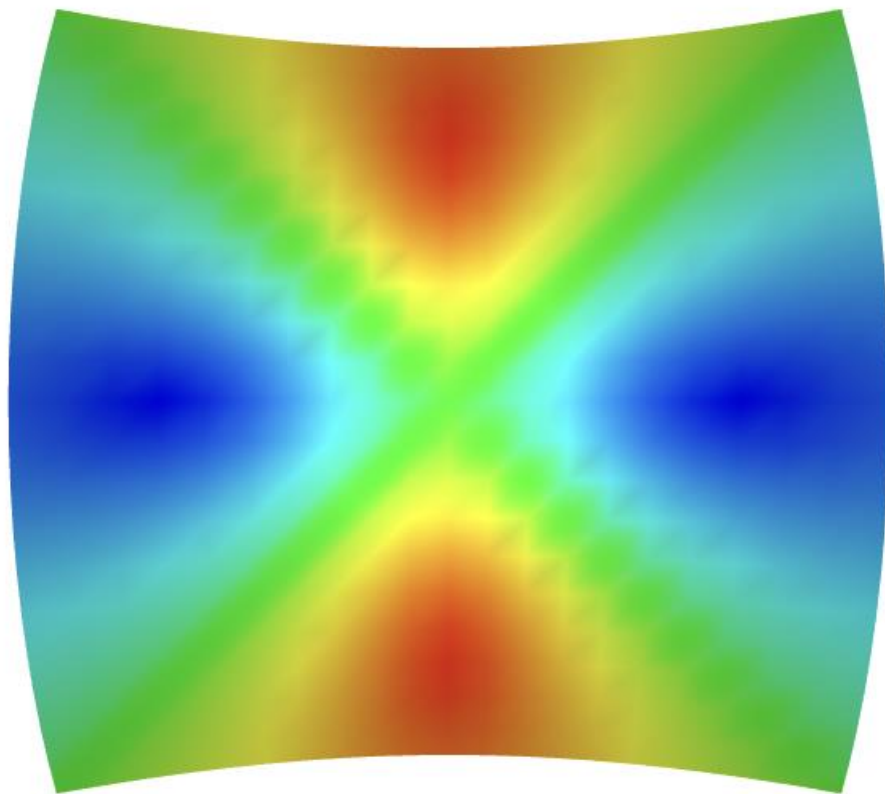
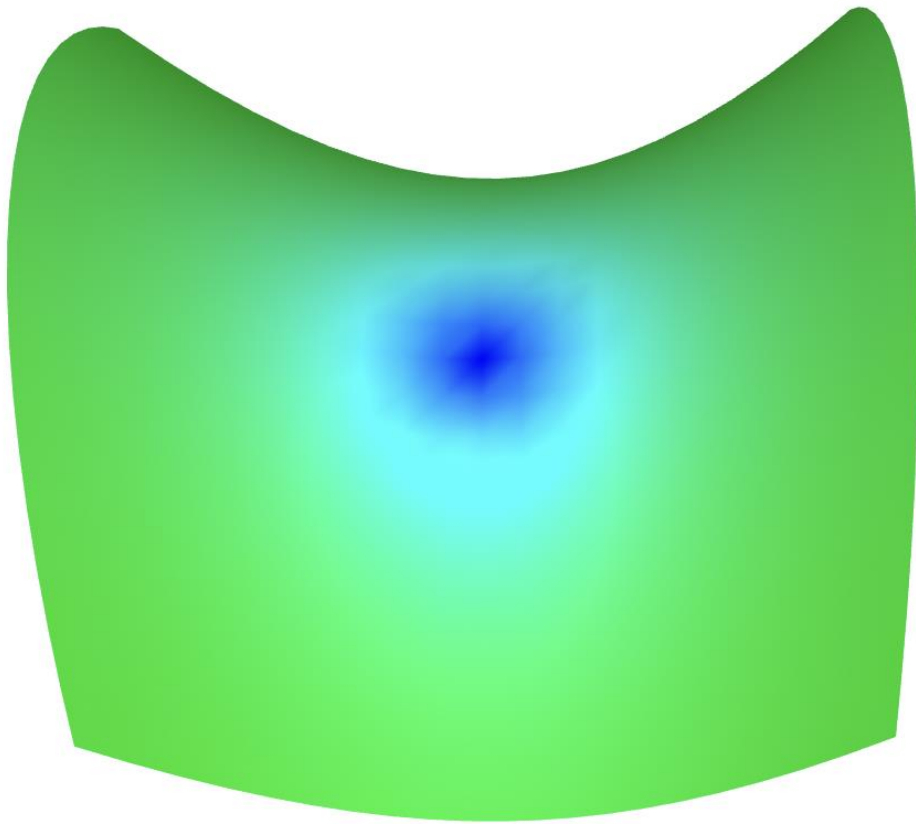
Paraboloids

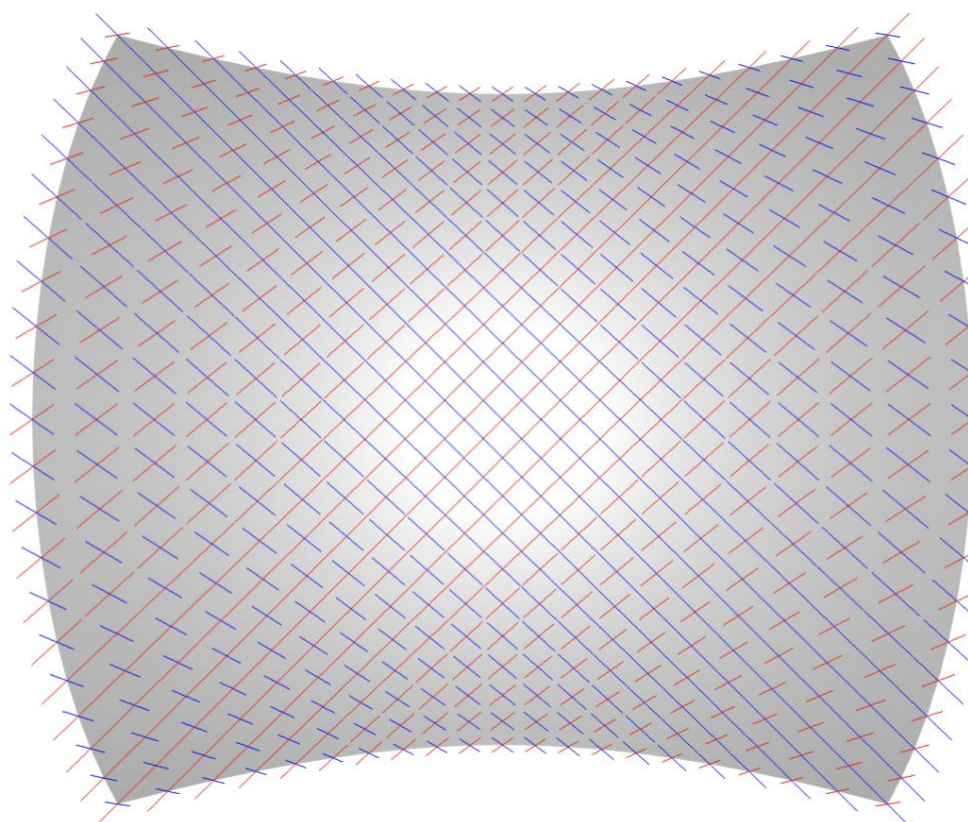
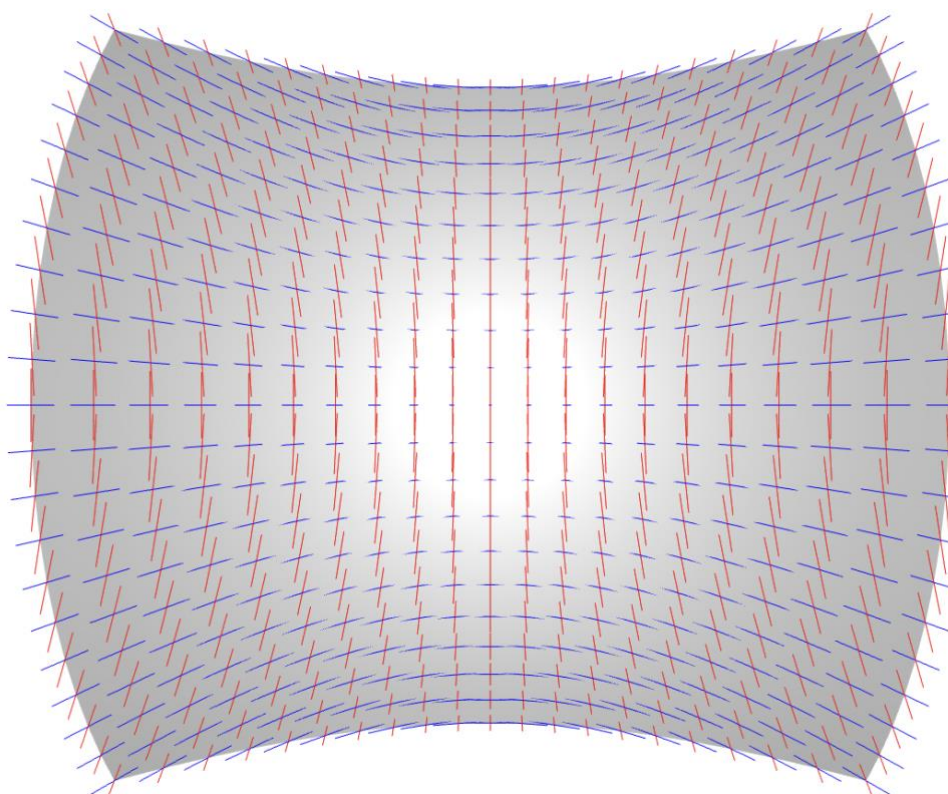
$K > 0$ ($a=b=1, c=d=e=0$)



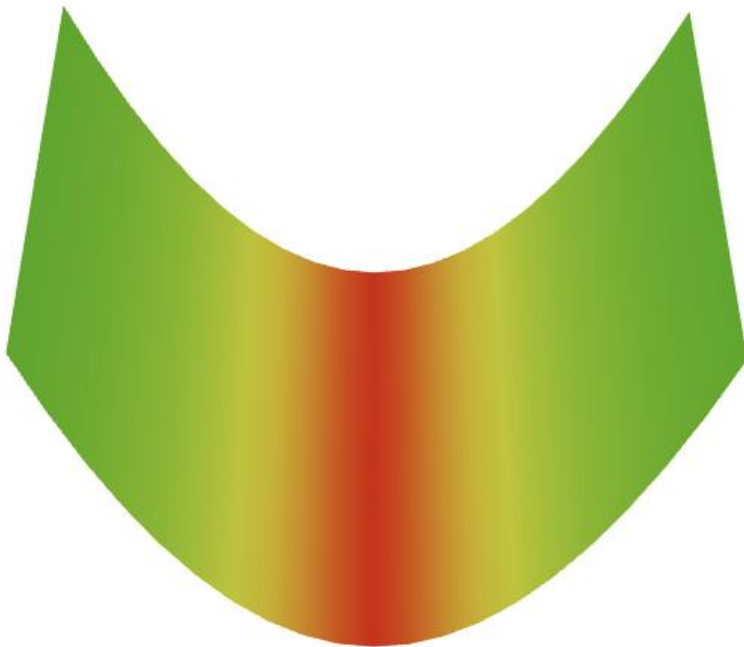
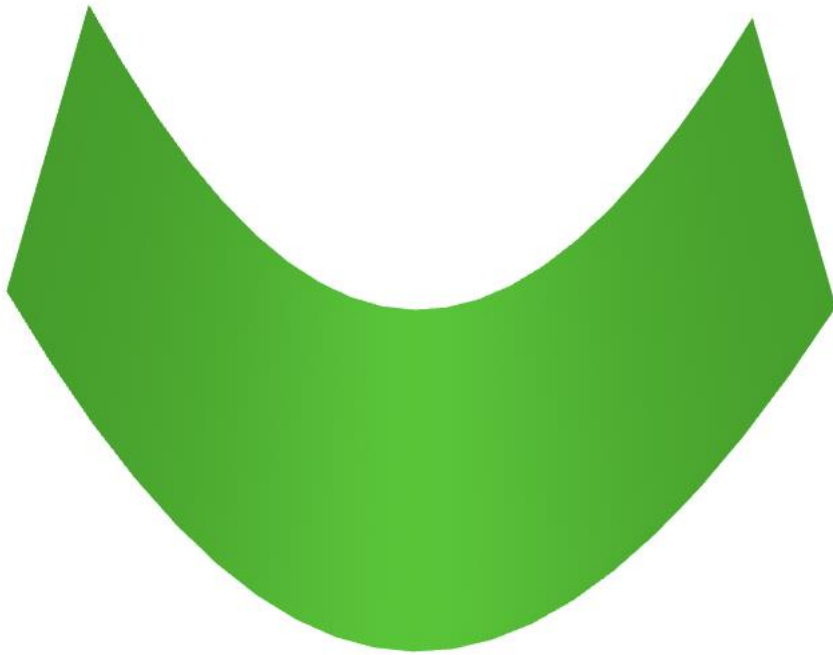


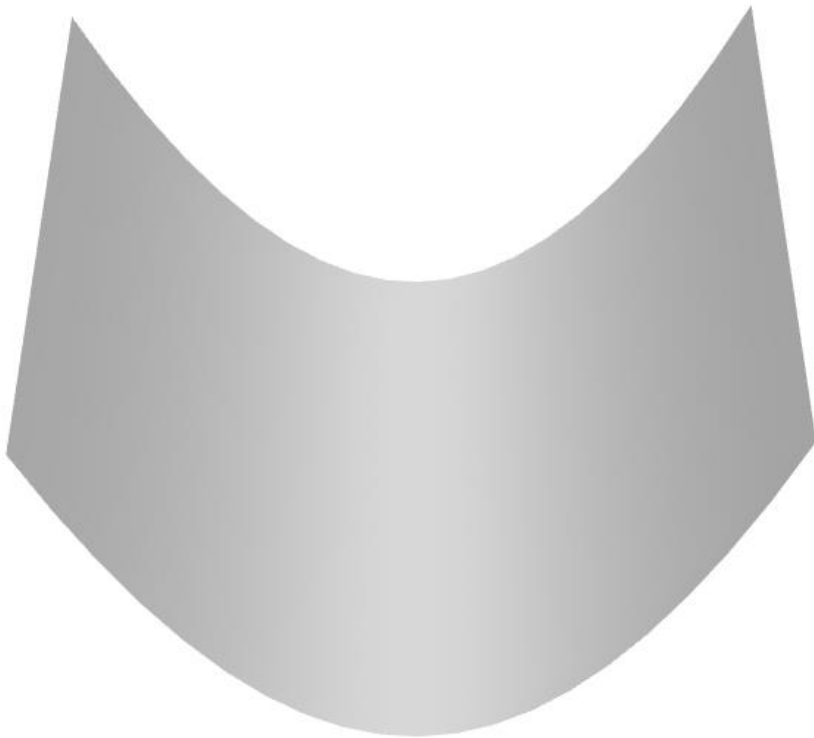
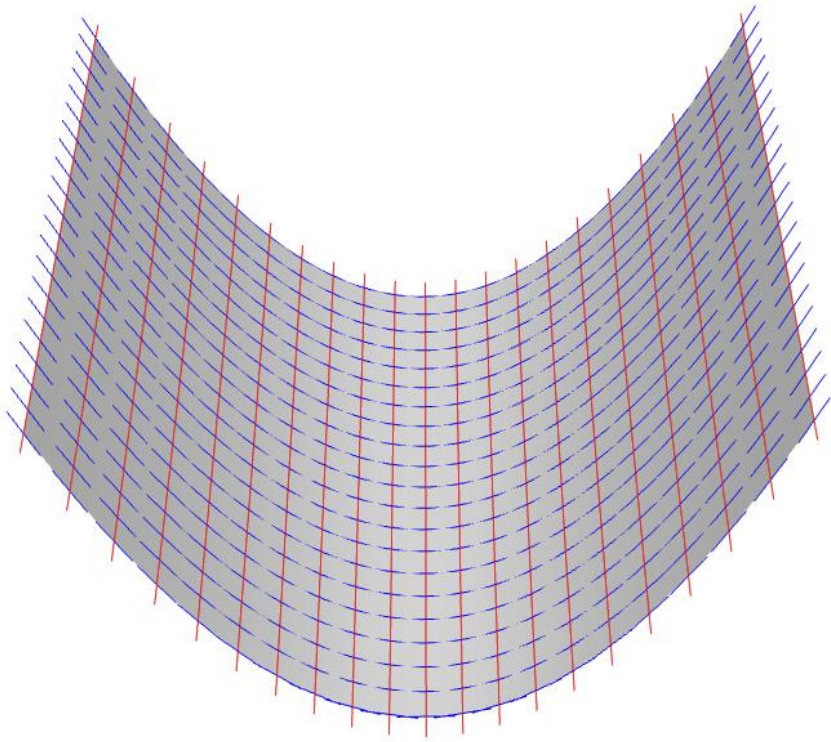
$K < 0$ ($a=1, b=-1, c=d=e=0$)





$K=0$ ($a=1, b=0, c=d=e=0$)





Torus

