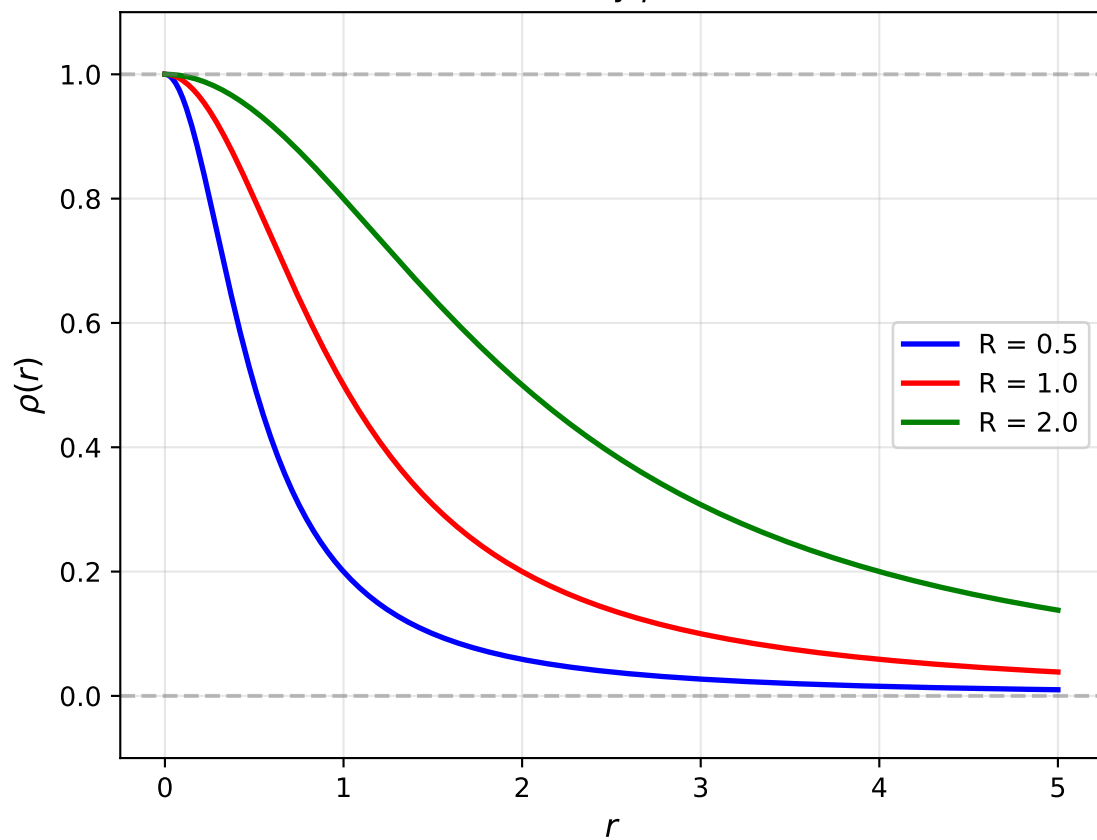
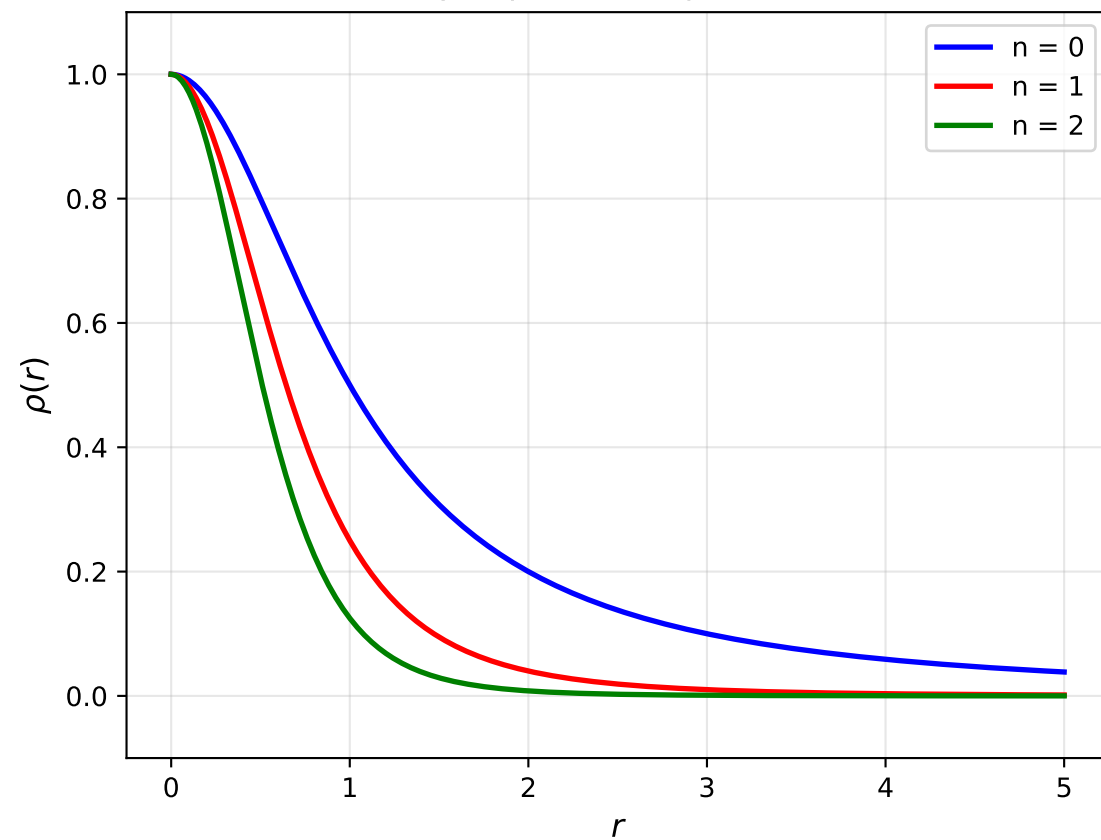


# Geometric Verification of Conformal Density Construction

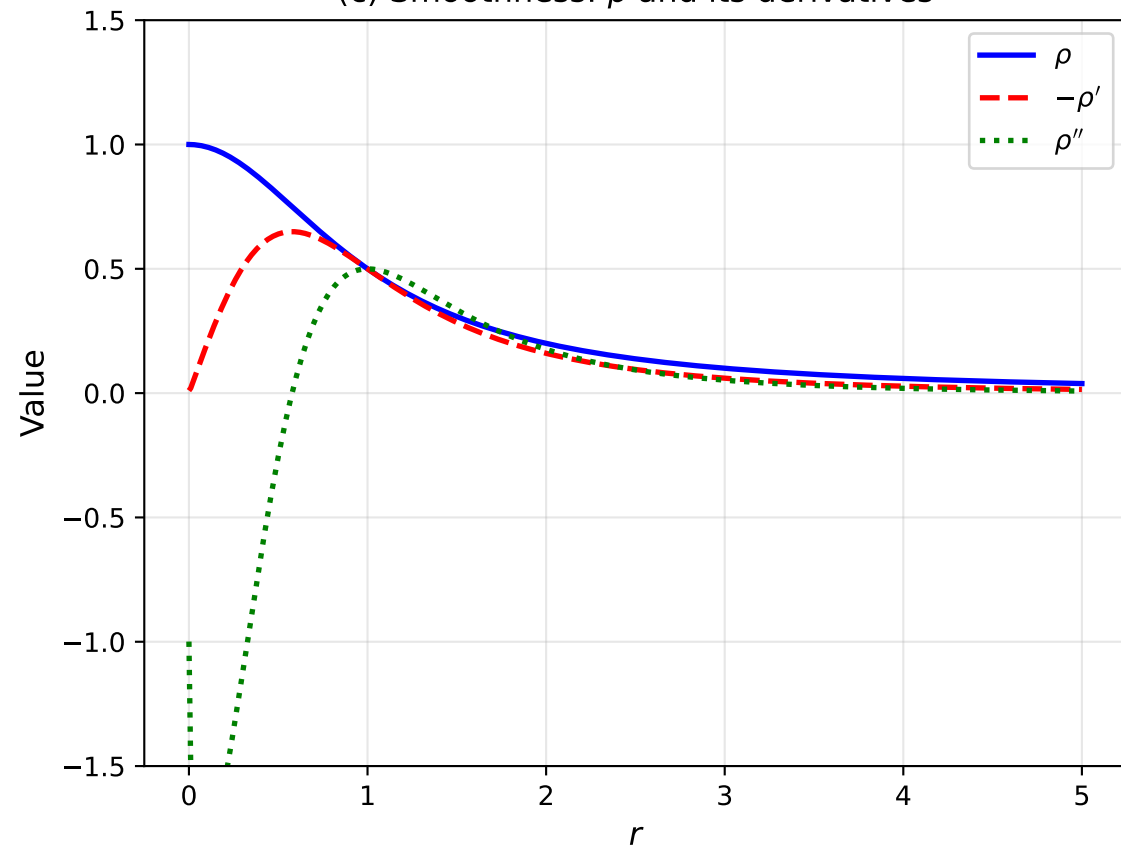
(a) Conformal density  $\rho(r) = (1 + r^2/R^2)^{-1}$



(b) Helicity dependence:  $\rho = (1 + r^2)^{-|n+1|}$



(c) Smoothness:  $\rho$  and its derivatives



(d) Asymptotic decay:  $\rho \sim r^{-2}$  as  $r \rightarrow \infty$

