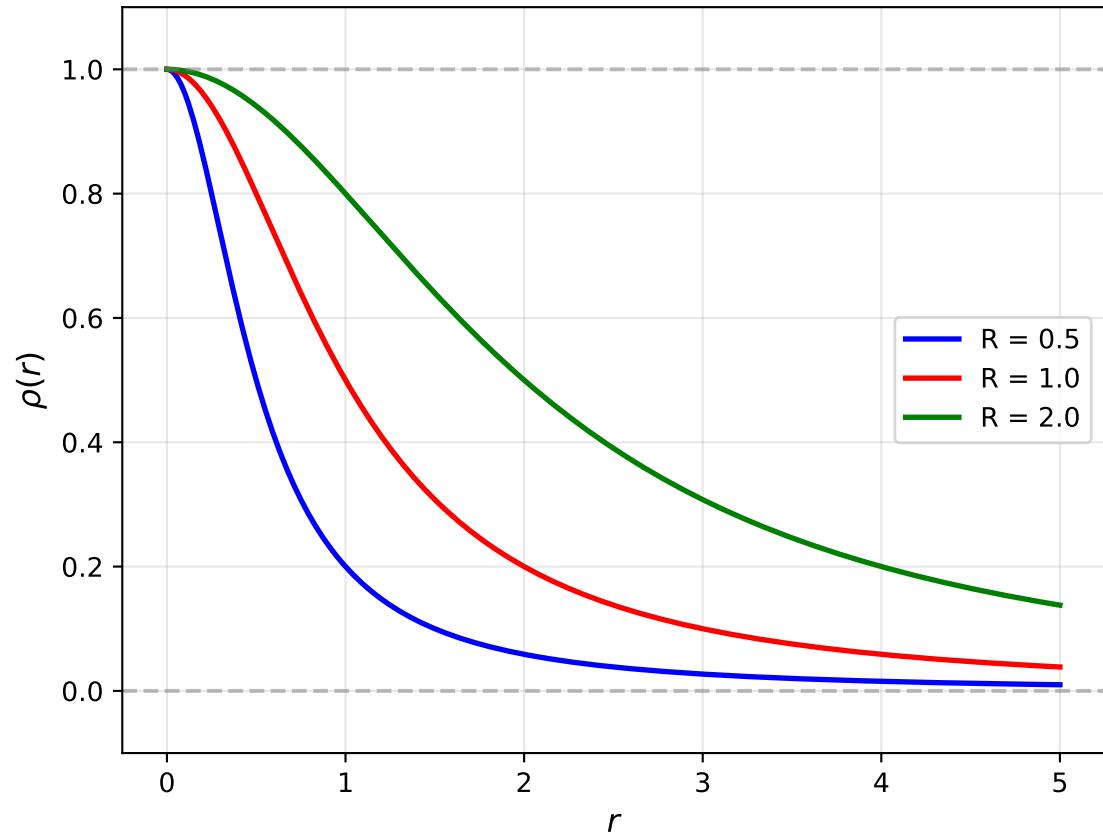
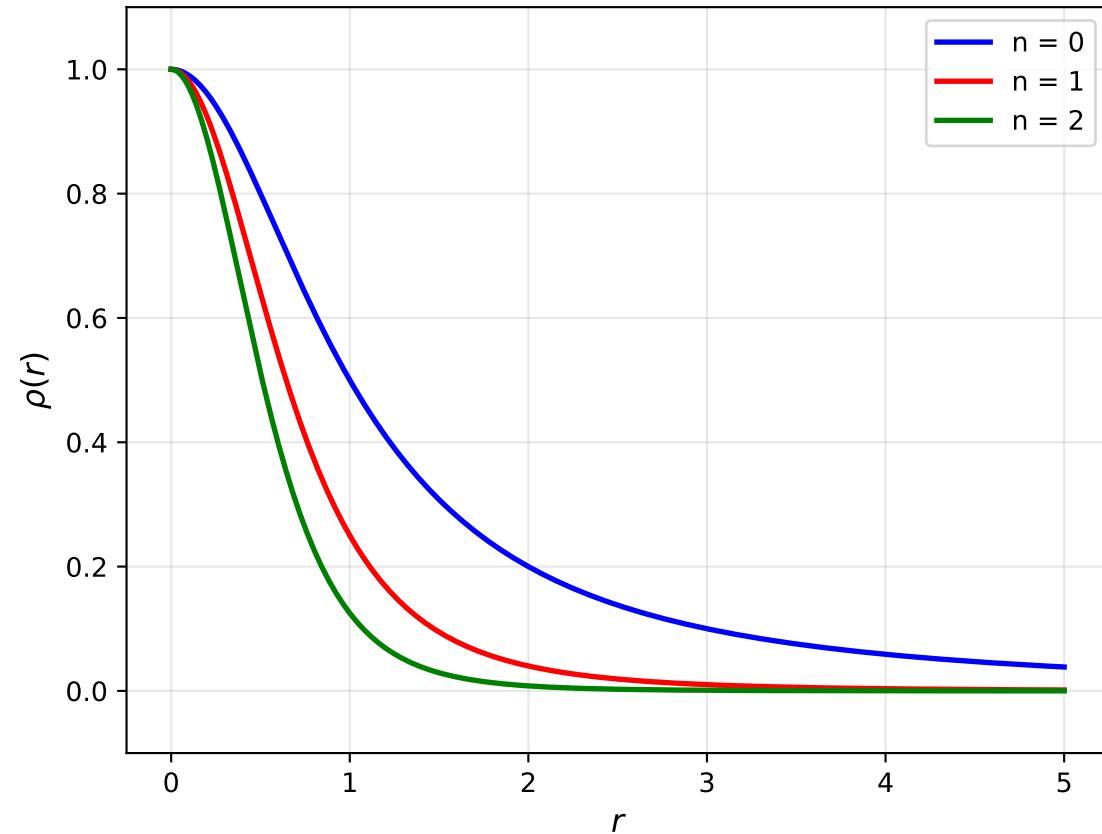


Geometric Verification of Conformal Density Construction

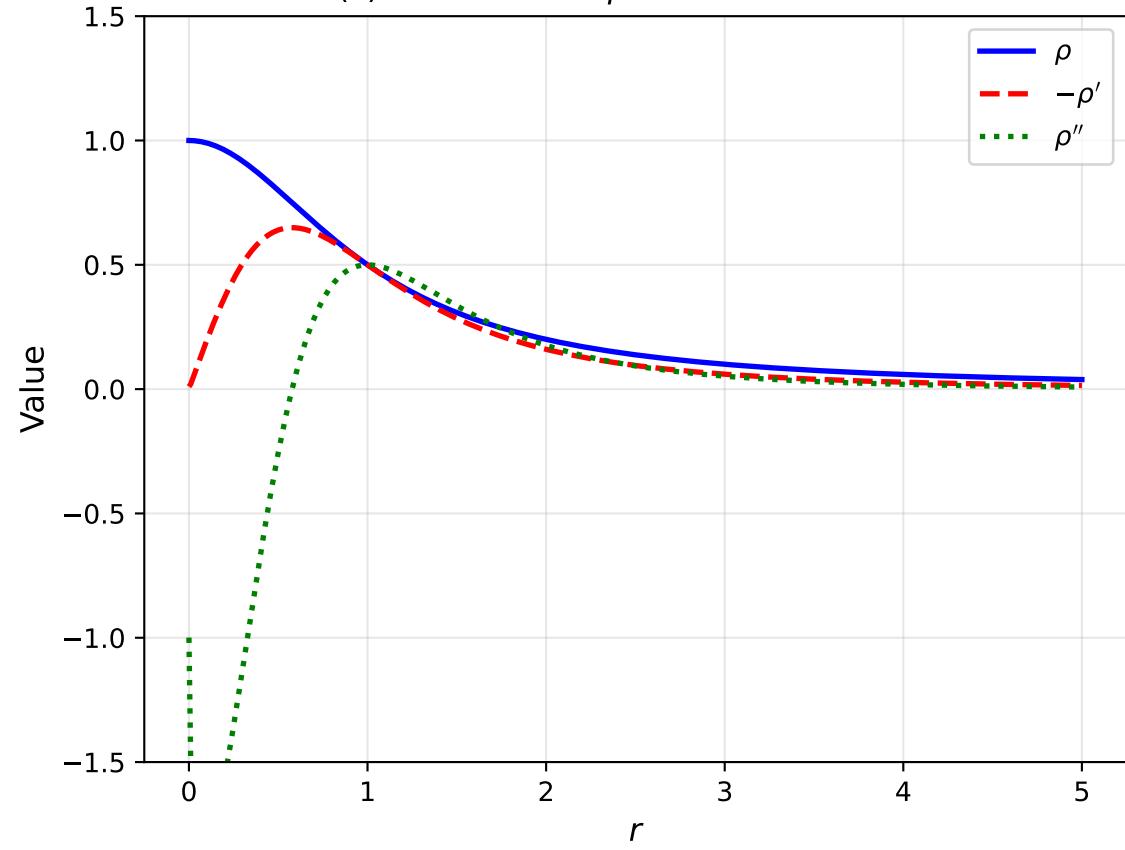
(a) Conformal density $\rho(r) = (1 + r^2/R^2)^{-1}$



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



(c) Smoothness: ρ and its derivatives



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

