Displacement of beam for $\lambda_0 = 9.87$, $\lambda_1 = 39.47$ and $\lambda_2 = 88.76$

Legend:
- $u(\rho)$, $\lambda_1 = 39.47$
- $u(\rho)$, $\lambda_0 = 9.87$
- $u(\rho)$, $\lambda_2 = 88.76$

x-axis: ρ
y-axis: $u(\rho)$