## VPM: Solving for radius in the impermeable regime

Tip: When using a numerical method such as Newton-Raphson, set high and low bounds as indicated

Radius of gas nucleus in microns

Cubic equation of the form $\mathrm{Ar}^{3}-\mathrm{Br}^{2}-\mathrm{C}=0$ that must be iterated to solve for radius in the impermeable range of the VPM
$-0.1$

