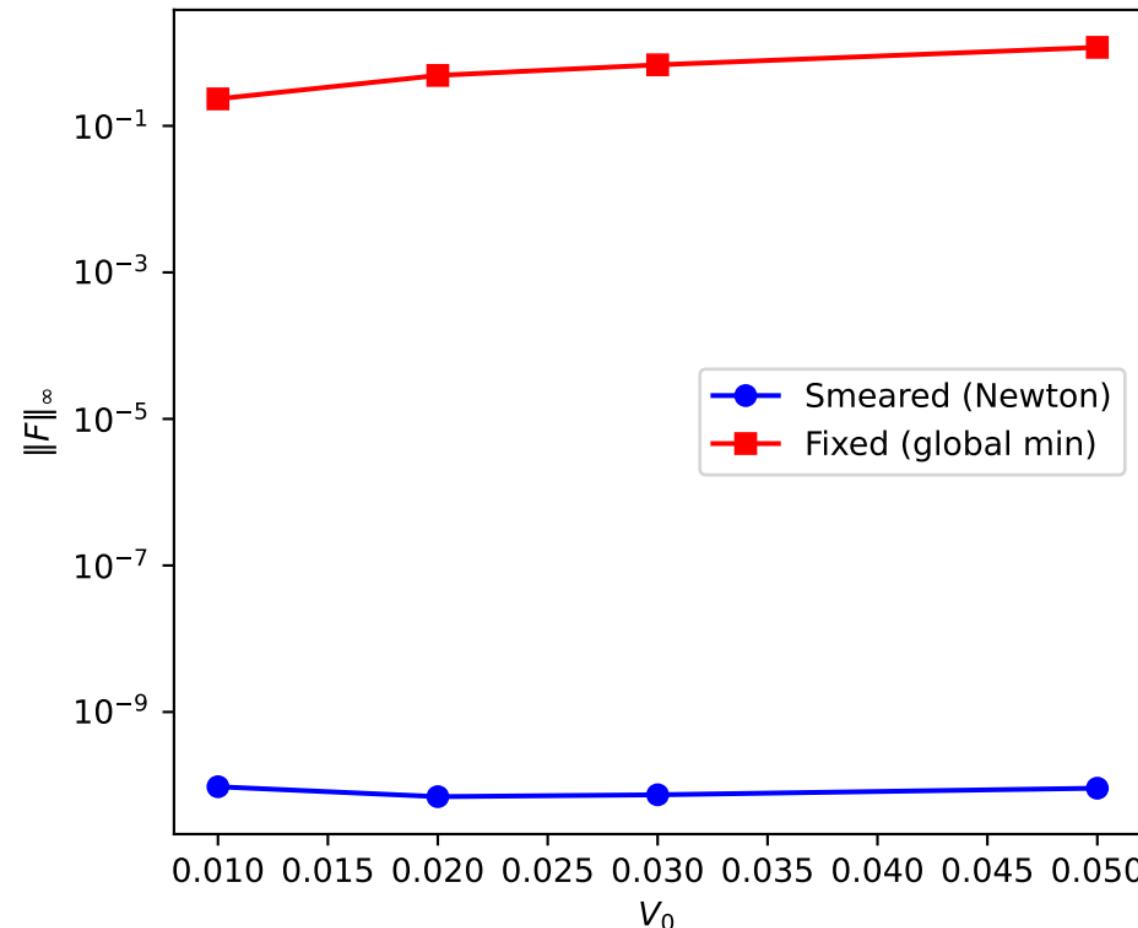


(a) Residual: converged vs minimized



(b) Linearized Jacobian at  $\Phi = 0$

