Toy BVP: Pöschl-Teller Potential ($V_0 = 10$, $a = 1$)

- $V(\xi) = -V_0 \operatorname{sech}^2(\xi/a)$
- $\psi_0(\xi)$ (scaled)
- Threshold ($E = 0$)
- $E_0 = -7.30$

$N_{\text{bound}} = \lfloor \lambda \rfloor + 1 = 3$

Energy / Amplitude

ξ (dimensionless)