Research Highlights

- Developed a hybrid Bessel-Numerov propagator for $l > 0$ scattering.

- Used Riccati-Bessel functions to eliminate initialization shocks.

- Achieved significantly improved Wronskian stability compared to naive starts.

- Validated solution proportionality and phase-shift invariance via Clojure.

- Demonstrated $O(h^6)$ convergence with increased step-size efficiency.