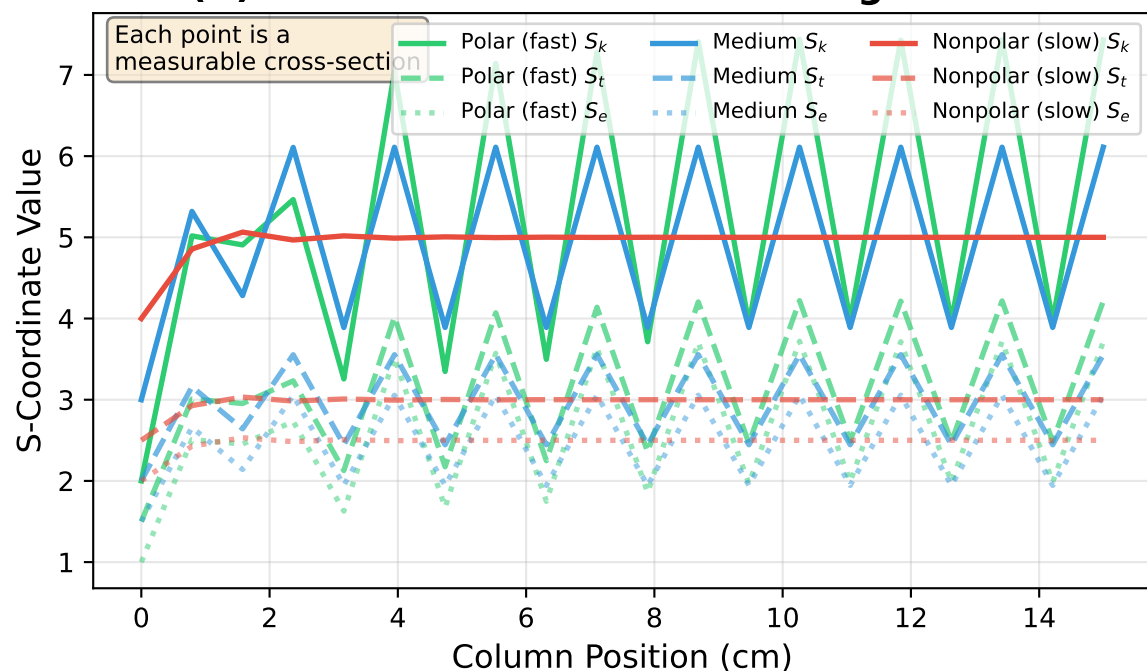
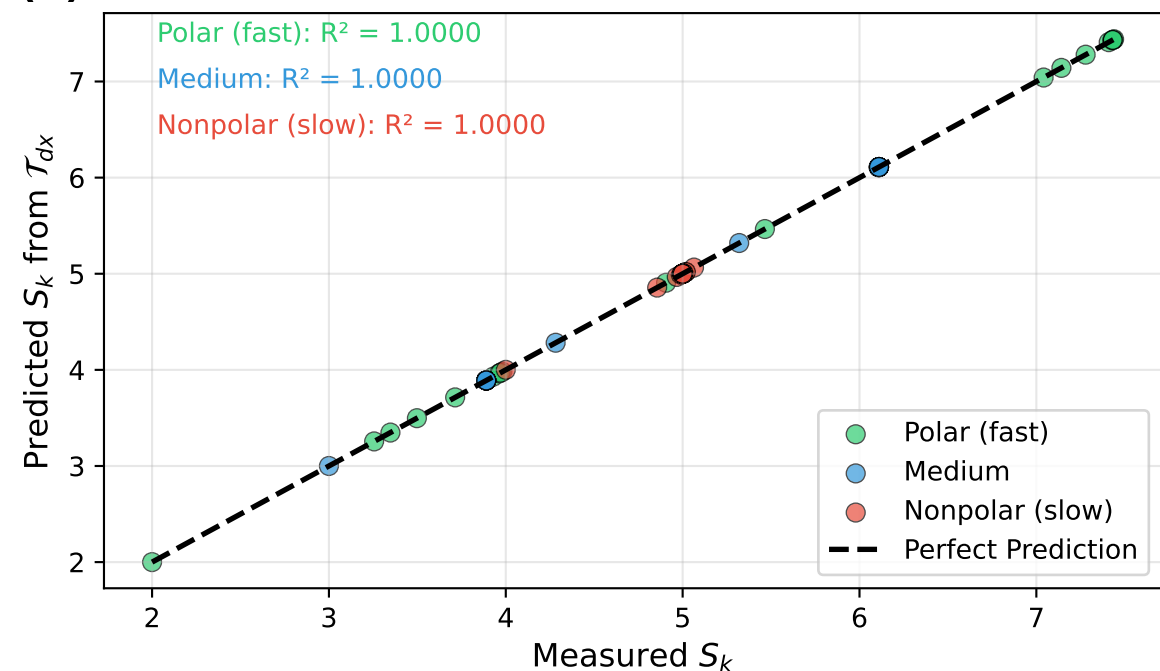


Cross-Sectional Validation of S-Transformation in Chromatography

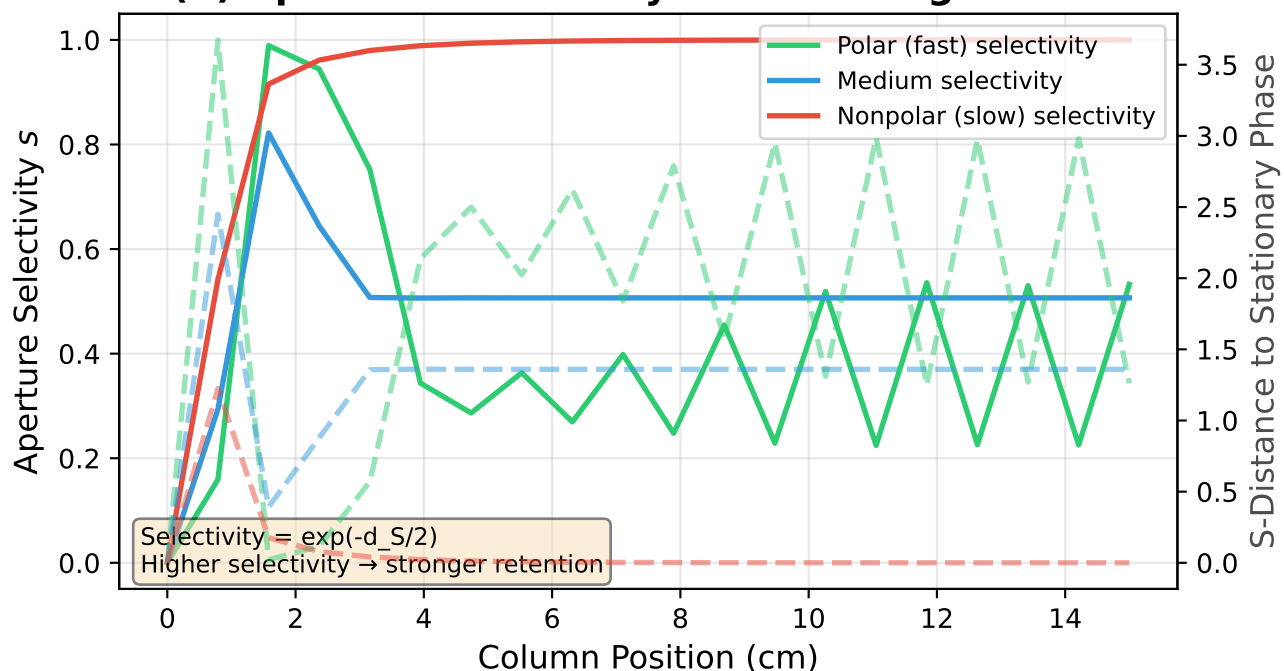
(A) S-Coordinate Evolution Along Column



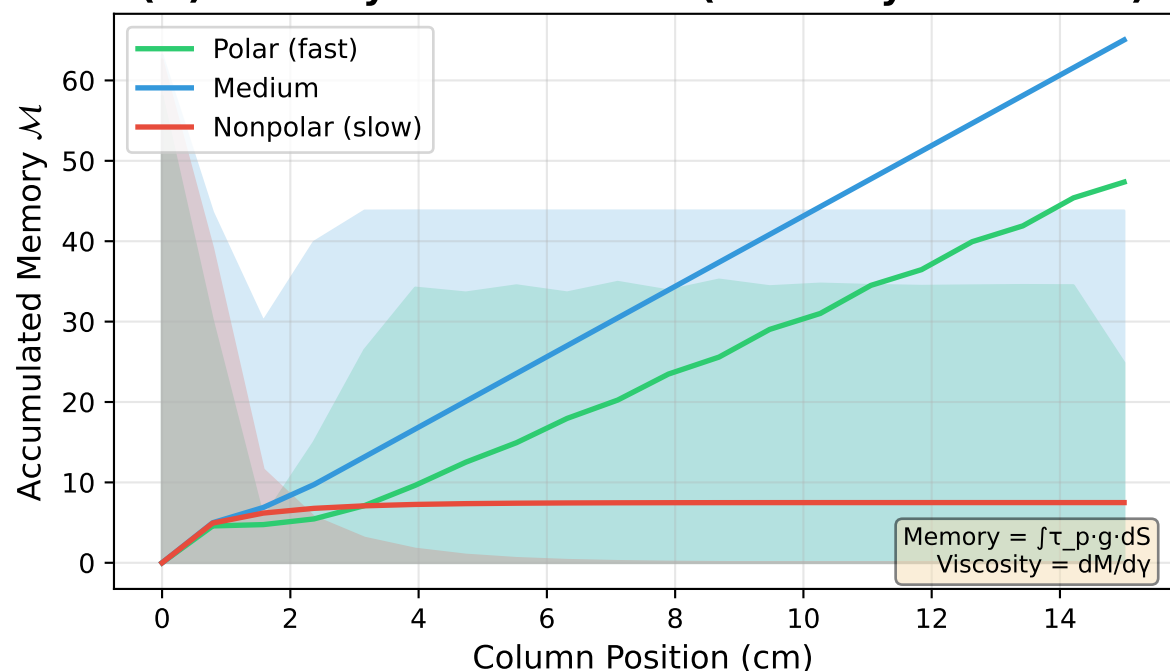
(B) Transformation Validation: Prediction vs Measurement



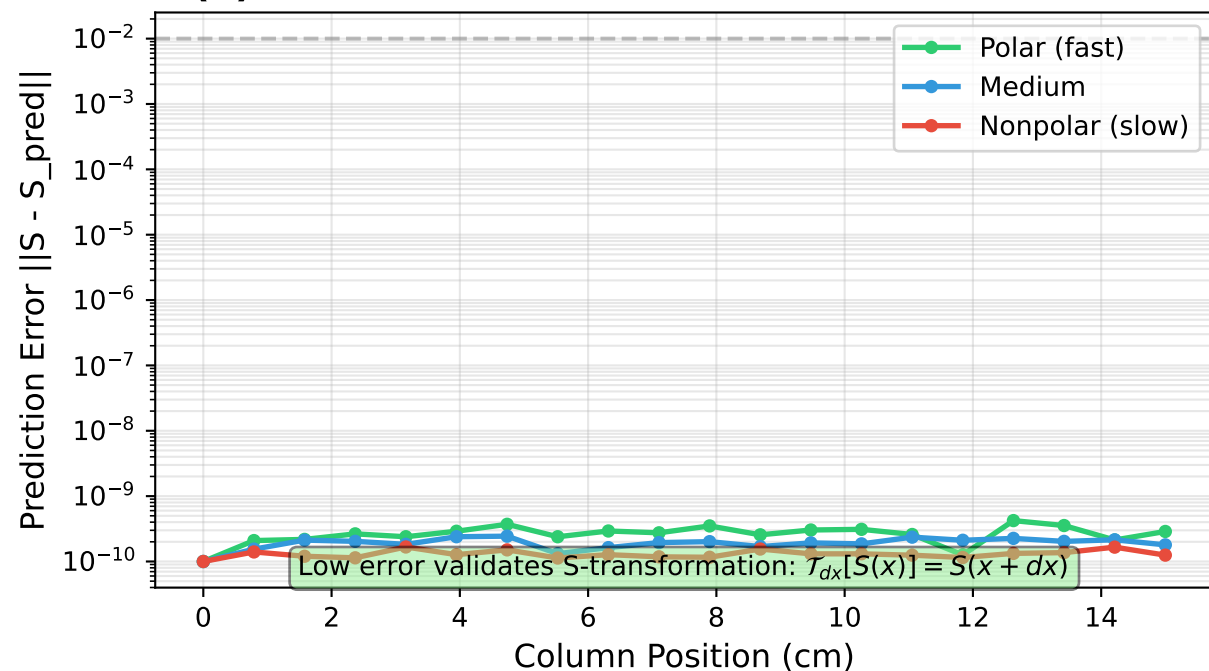
(C) Aperture Selectivity Profile Along Column



(D) Memory Accumulation (Viscosity Validation)



(E) Transformation Error at Each Cross-Section



(F) Cross-Sectional Measurement Schematic

