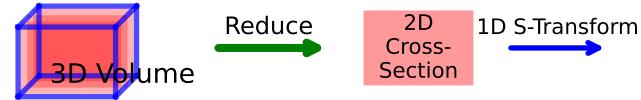
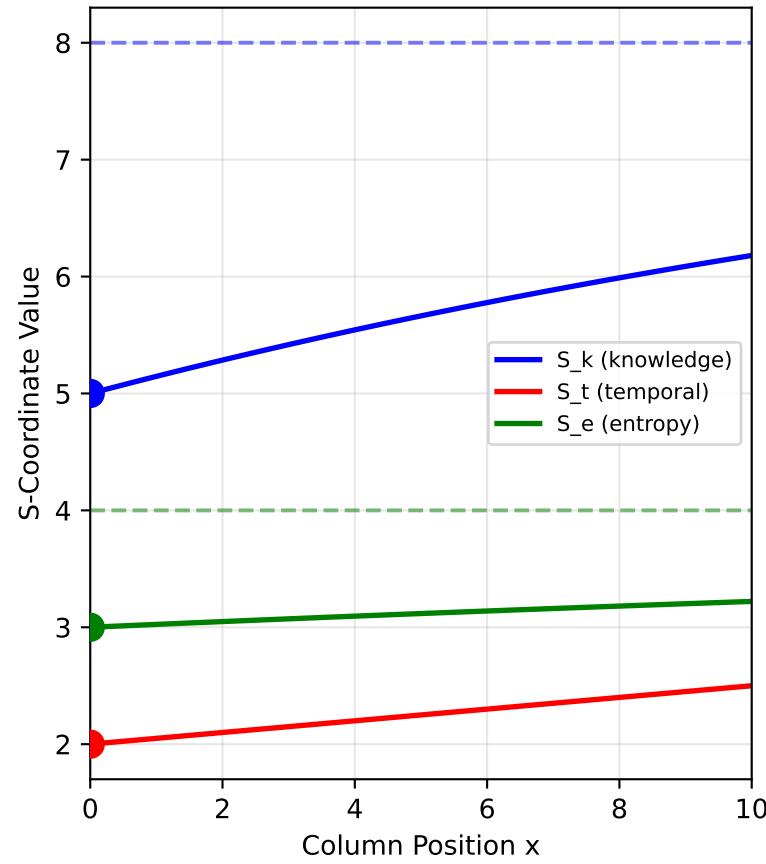


### Section 3: Deriving Fluid Structure - Experimental Validation

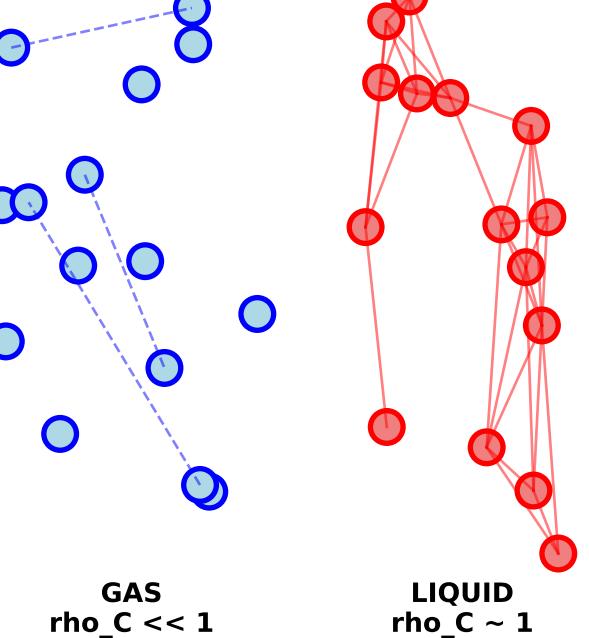
**A. Dimensional Reduction: 3D  $\rightarrow$  2D x 1D**



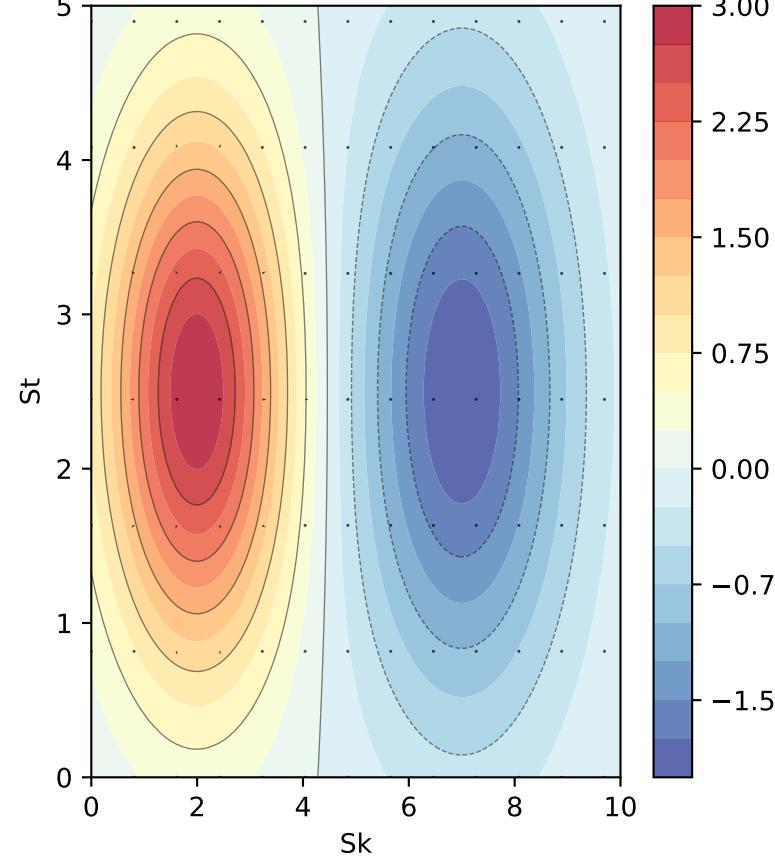
**B. Cross-Section S-State Evolution**



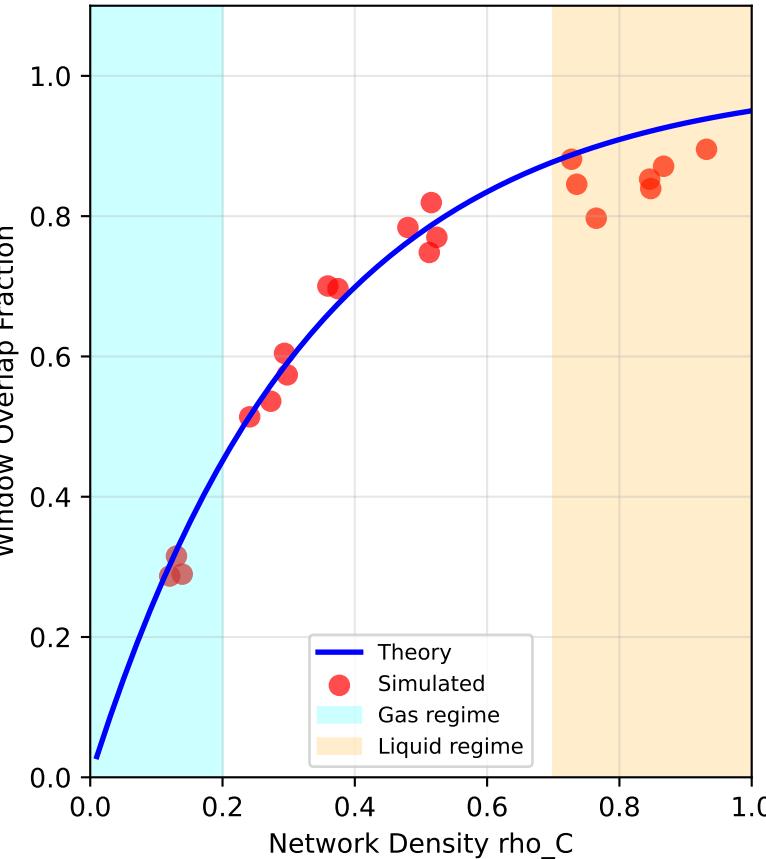
**C. Gas vs Liquid: Network Density**



**D. S-Landscape and Flow**



**E. S-Window Overlap vs Network Density**



**F. Computational Complexity**

