# A corresponding states scenario for molecular models of water

Folarin Latinwo<sup>(a)</sup>

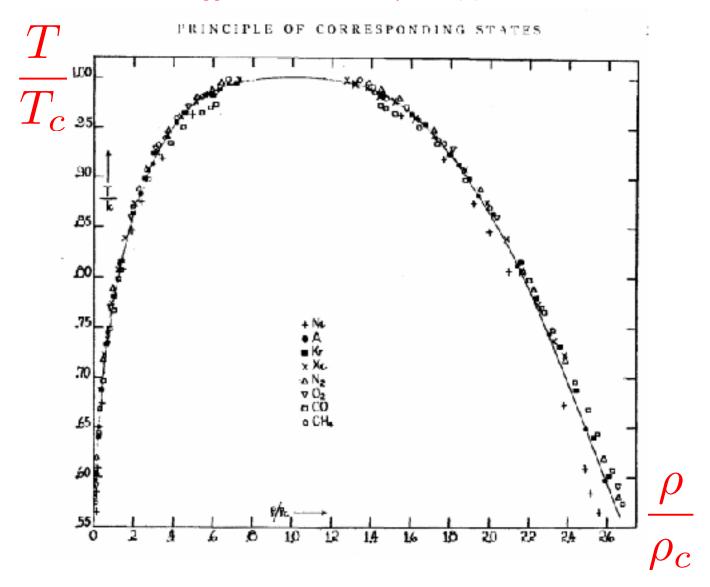
Mikhail Anisimov Princeton Visit, 2017



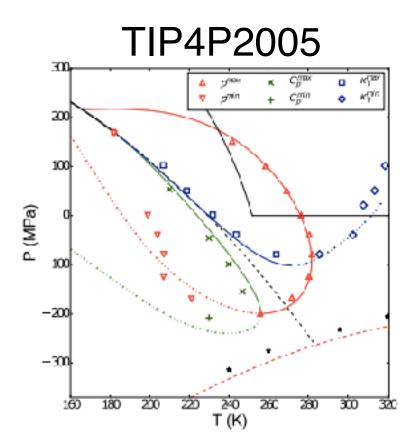


### The Principle of Corresponding States

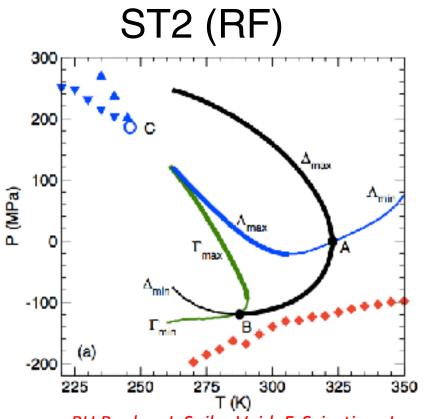
E. A. Guggenheim, J. Chem. Phys. 13, (7), 1945



### Features of supercooled molecular models of water

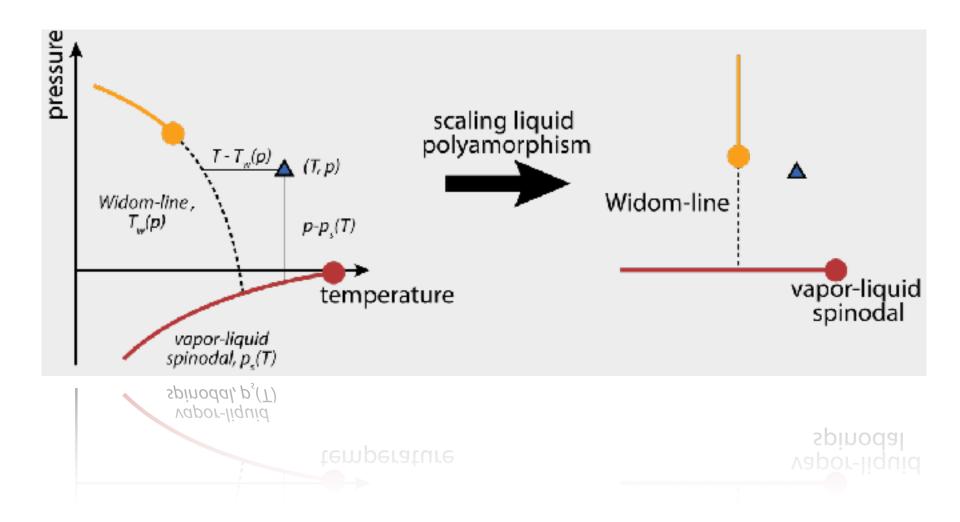


J. Biddle et al., to appear in 2017.

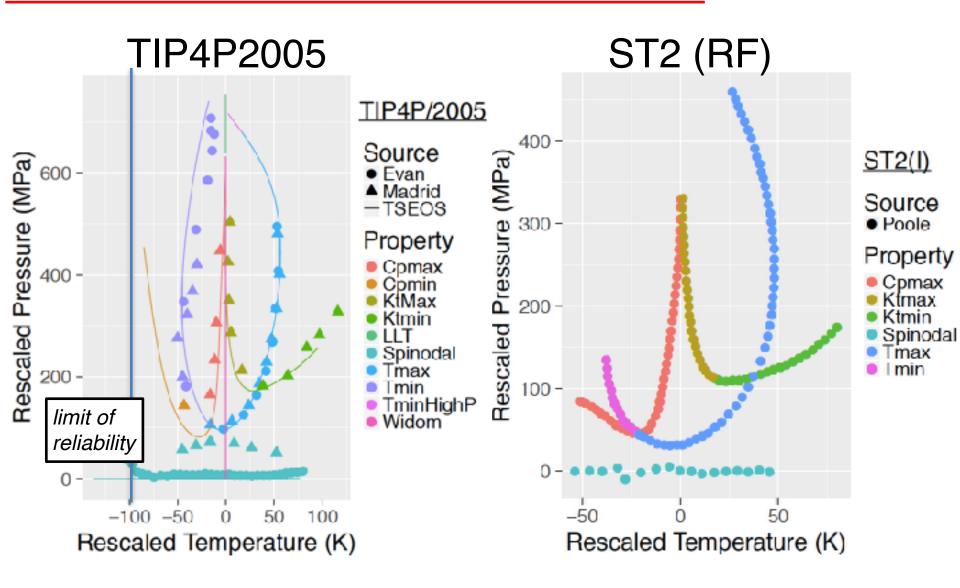


PH Poole, , I. Saika-Void, F. Sciortino, J. Phys.: Condens. Matter 17, (2005), 1945

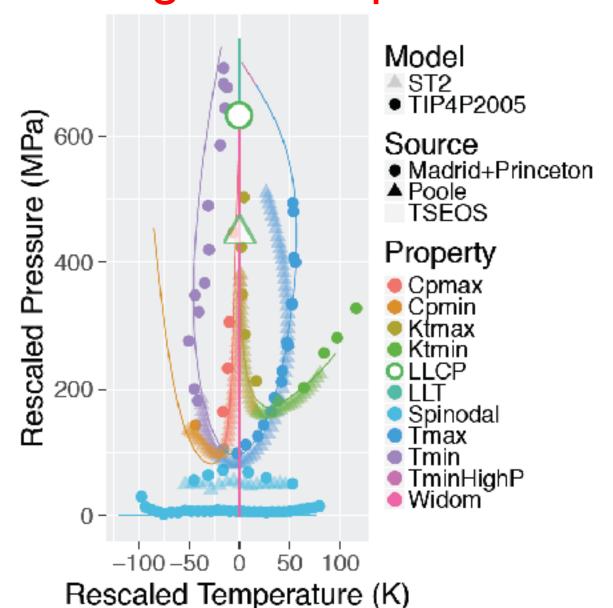
## "Corresponding states" approach for liquid polyamorphism



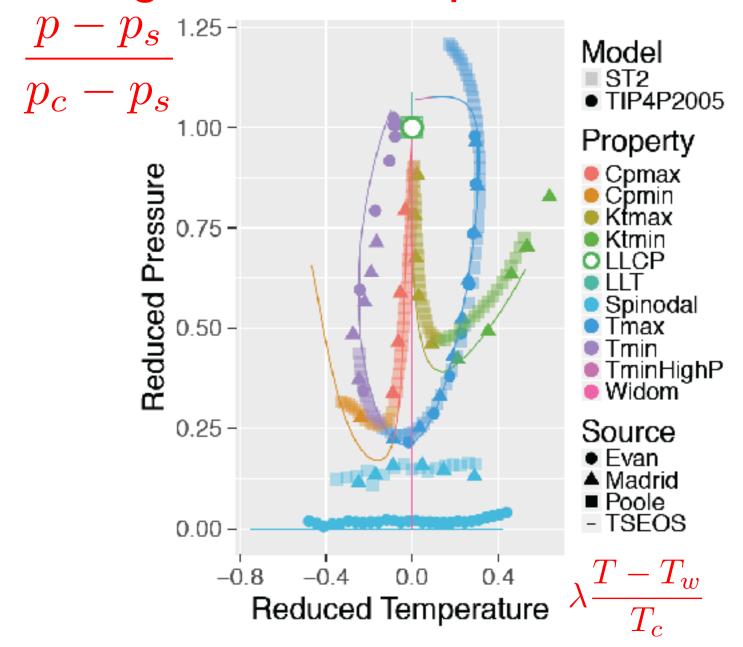
### "Corresponding states" approach for molecular models of water



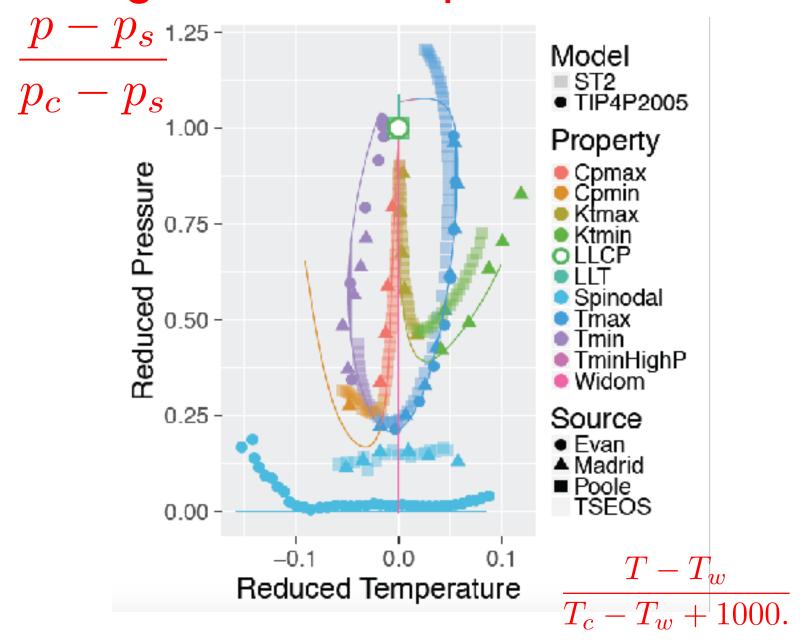
#### "Corresponding states" picture



### "Zeroing" the critical point



### "Zeroing" the critical point



#### To come, TIP5P

