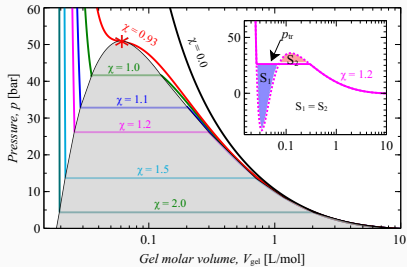
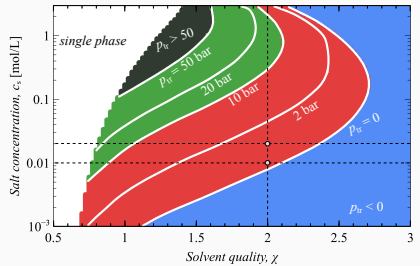


Compression of hydrogel.



Maxwell construction: Definition of p_{tr}



Phase diagramm: transition pressure versus c_s and χ