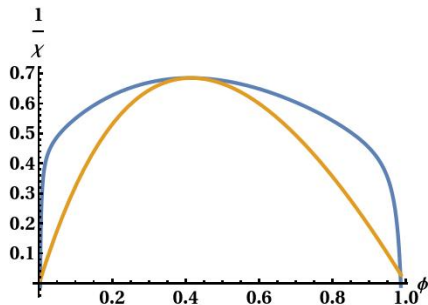
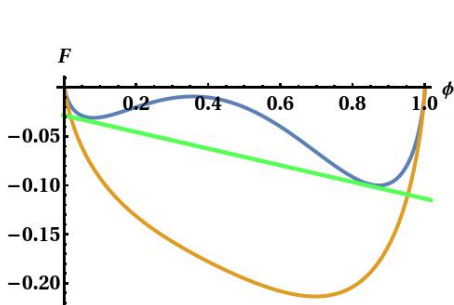


Cours 2 et cours 3-Transitions de Phase du premier ordre

J.F. Joanny

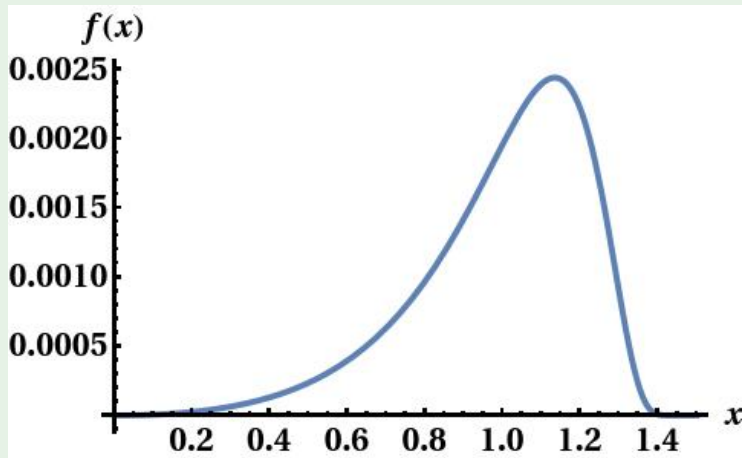
Cours 2-3, Collège de France, 14 et 21 novembre 2022

Energie Libre et Diagramme de Phase



Mûrissement d'Ostwald

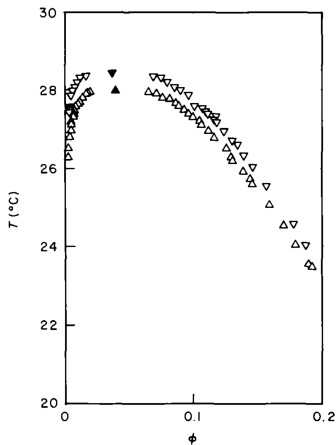
Distribution auto-similaire de tailles de gouttes Lifshitz, Slyozov



- Amplitude donnée par la saturation initiale

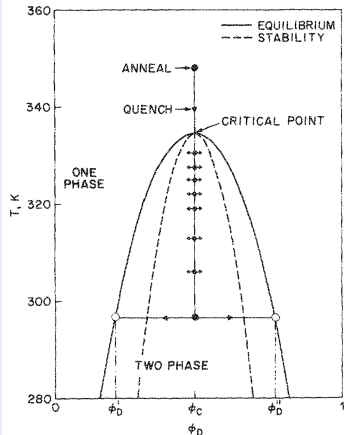
Transitions de phase et Polymères

Polymères en solution



Nose

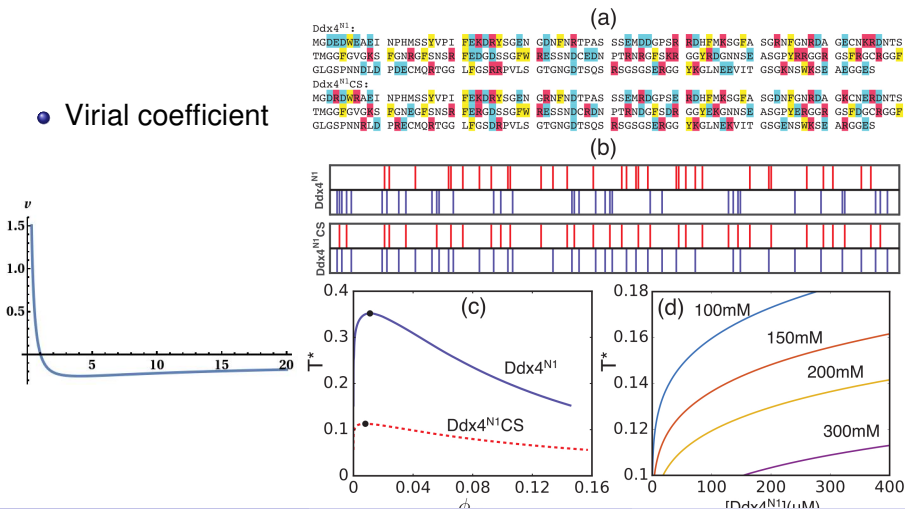
Mélanges de Polymères



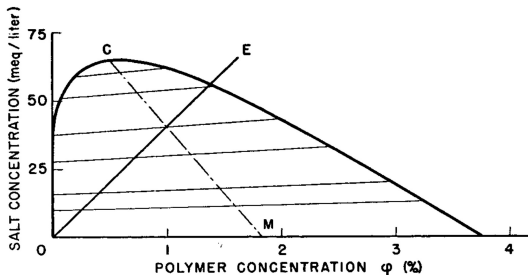
Bates

Polyampholytes and Intrinsically disordered proteins *Lin et al.*

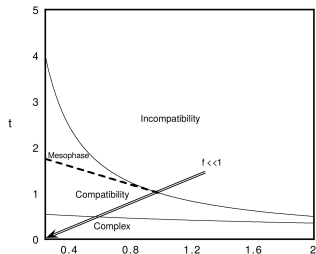
- Virial coefficient



Complexes polyélectrolytes symétriques



Overbeek and Voorn



Joanny

- Dimensionless variables

$$s \sim \frac{\kappa^2}{fc^{1/2}}, \quad t \sim \frac{c^{1/2}\chi}{f}$$

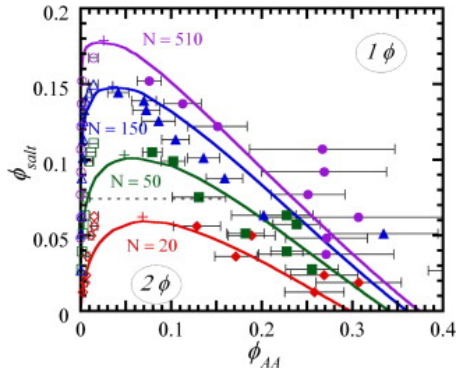
- Castelnovo

institutCurie
Together, let's break cancer.

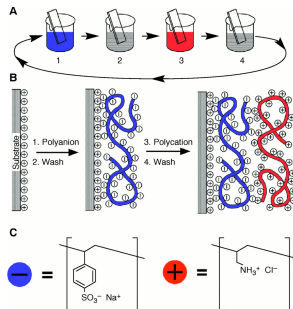


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Complexes polyélectrolytes stoechiométriques



G Van der Gucht et al.



G. Decher

