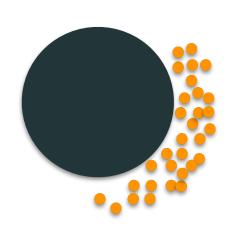
COMPORTAMIENTO FLUIDO-SÓLIDO EN LA NANOESCALA

OPERADOR PROYECCIÓN KAWASAKI-GUNTON



APROXIMACIÓN MARKOVIANA



$$egin{aligned} \partial_t
ho(\mathbf{r}) &= - \, oldsymbol{
abla} \cdot \mathbf{g}(\mathbf{r}) \end{aligned} = - \, oldsymbol{
abla} \cdot (\mathbf{g}(\mathbf{r})\mathbf{v}(\mathbf{r})) -
ho(\mathbf{r}) oldsymbol{
abla} rac{\delta \mathcal{F}}{\delta
ho(\mathbf{r})} [
ho, \mathbf{R}] \\ &+ oldsymbol{
abla} \cdot \Sigma(\mathbf{r}) + \mathcal{S}(\mathbf{r}) \end{aligned}$$
 $\dot{\mathbf{R}} = \frac{\mathbf{P}}{M}$

 $\dot{\mathbf{P}} = -\frac{\partial \mathcal{F}}{\partial \mathbf{R}} - \int d\mathbf{r} \boldsymbol{\mathcal{S}}(\mathbf{r})$

TEORÍA DE MORI

$$C(t) = \exp\{-\Lambda^*t\} \cdot C(0)$$

SIMULACIONES DM



