

Is ε small? (Sardeshmukh et al. 2001)

Scale $\varepsilon F \sim \Psi / \tau_d$ and set equal to $\varepsilon^2 G$.

Case 1:

$$\varepsilon \sim (1/n) \{ \tau_d u_o |m| \Omega \}^{1/2} \sim 1$$

Case 2:

$$\varepsilon \sim \{ r_o \tau_d \}^{1/2} \sim 1$$

Conclusion: Have to use another model for the fluctuations.