Is $\varepsilon$ 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.