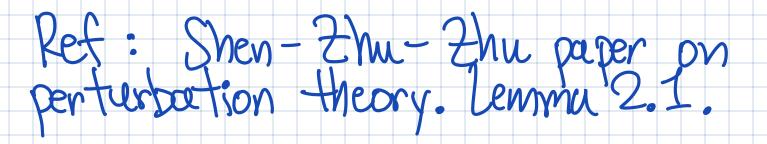
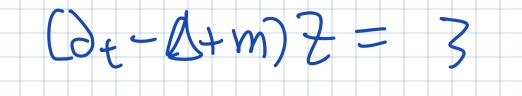
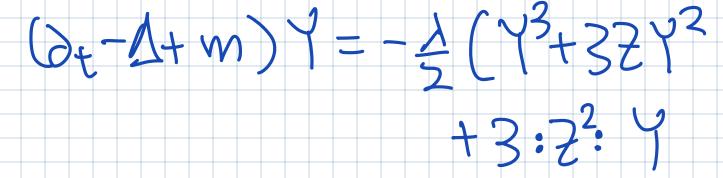
1 P estimates for 22.



Consider Iz equation

 $\overline{\Phi} = 2 + \gamma,$





Here and throughout, omit 2 parameter. III you want, can imagine this all takes place in the continuum,

 $+ \cdot \cdot 2^{3} \cdot)$

although we may not have covered the stochastic estimates for 2,:22; :23: in the continuum.)

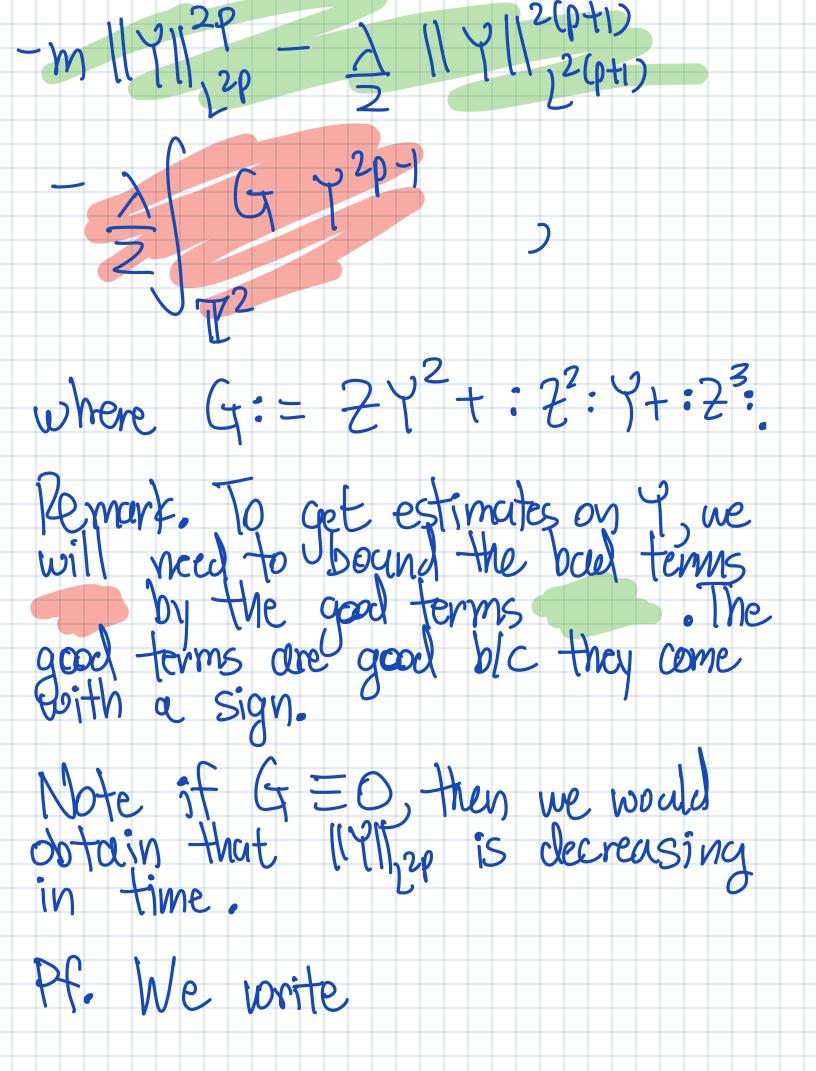
Simplification: cenit volume, so that we can avoid dealing with weights.

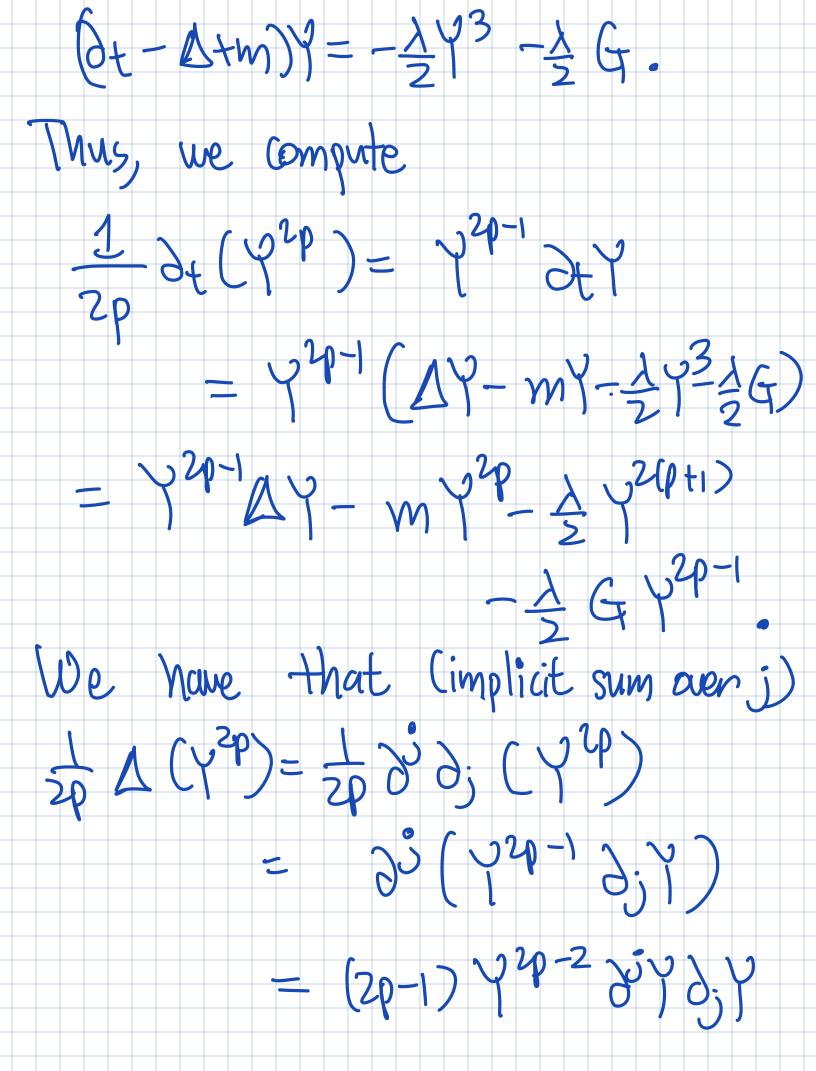
Grocel: get estimates on I in terms of

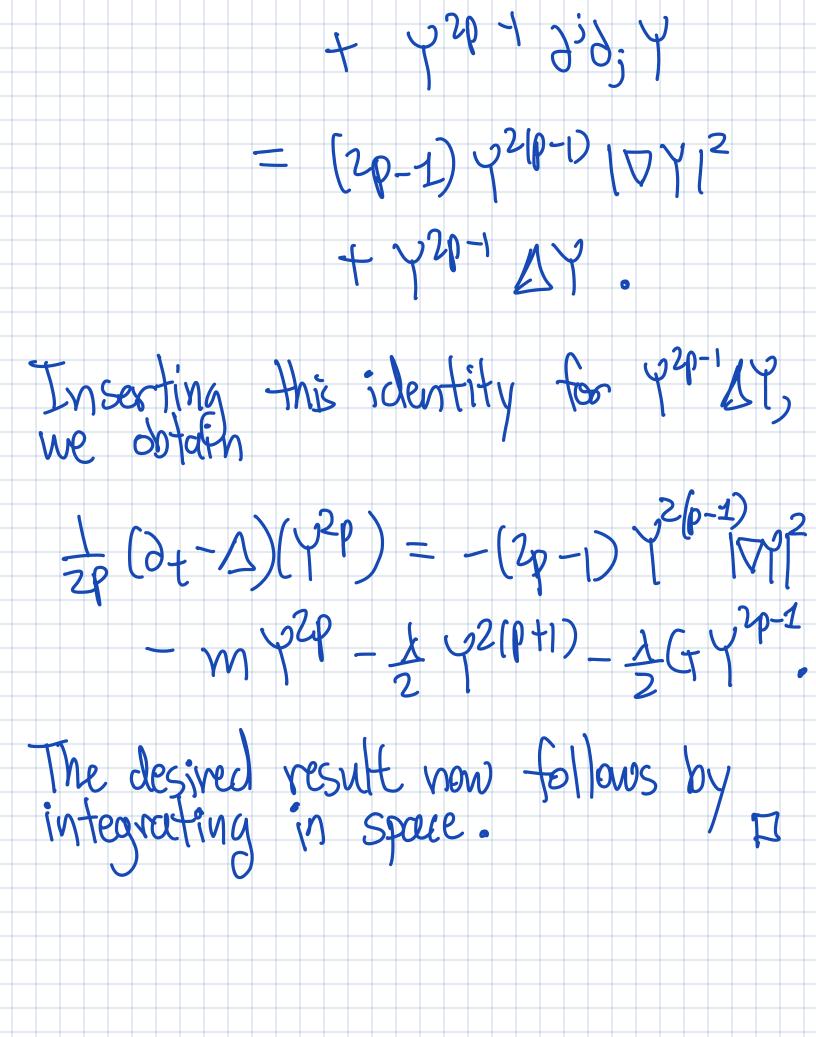
2,:2²; ;Z³; which we control using probability theory.

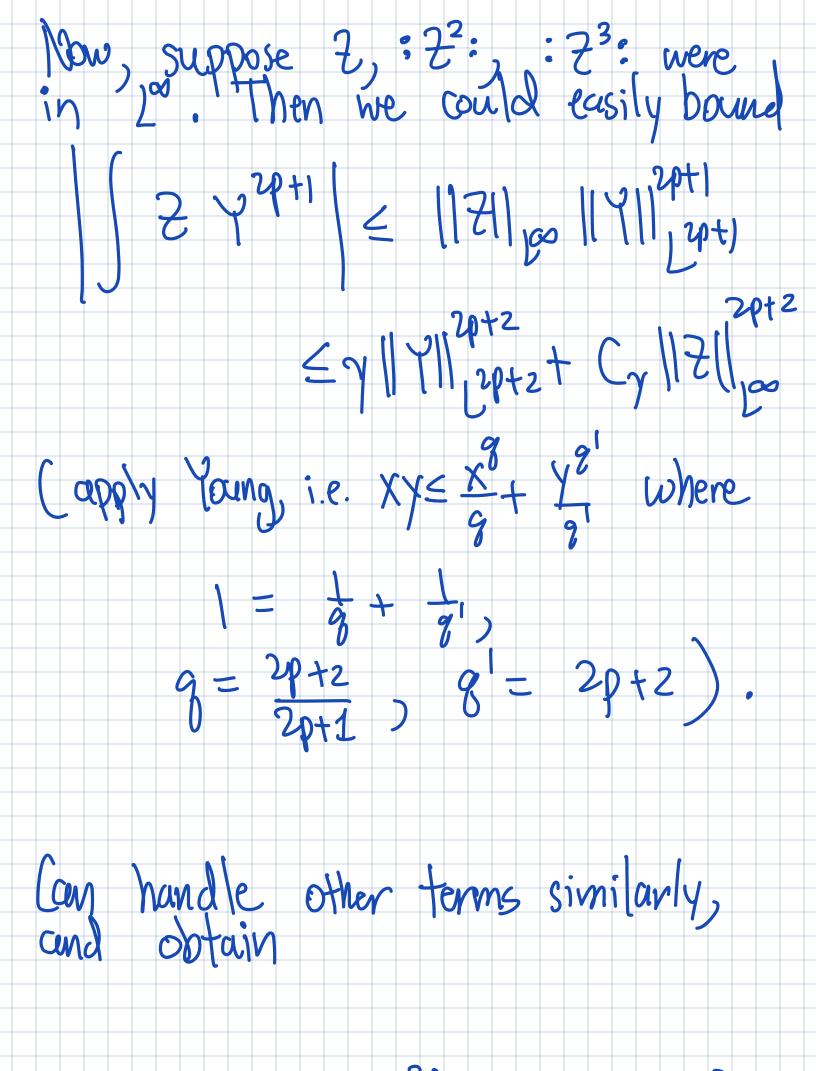
Lemma. Let p ≥ 1. We have

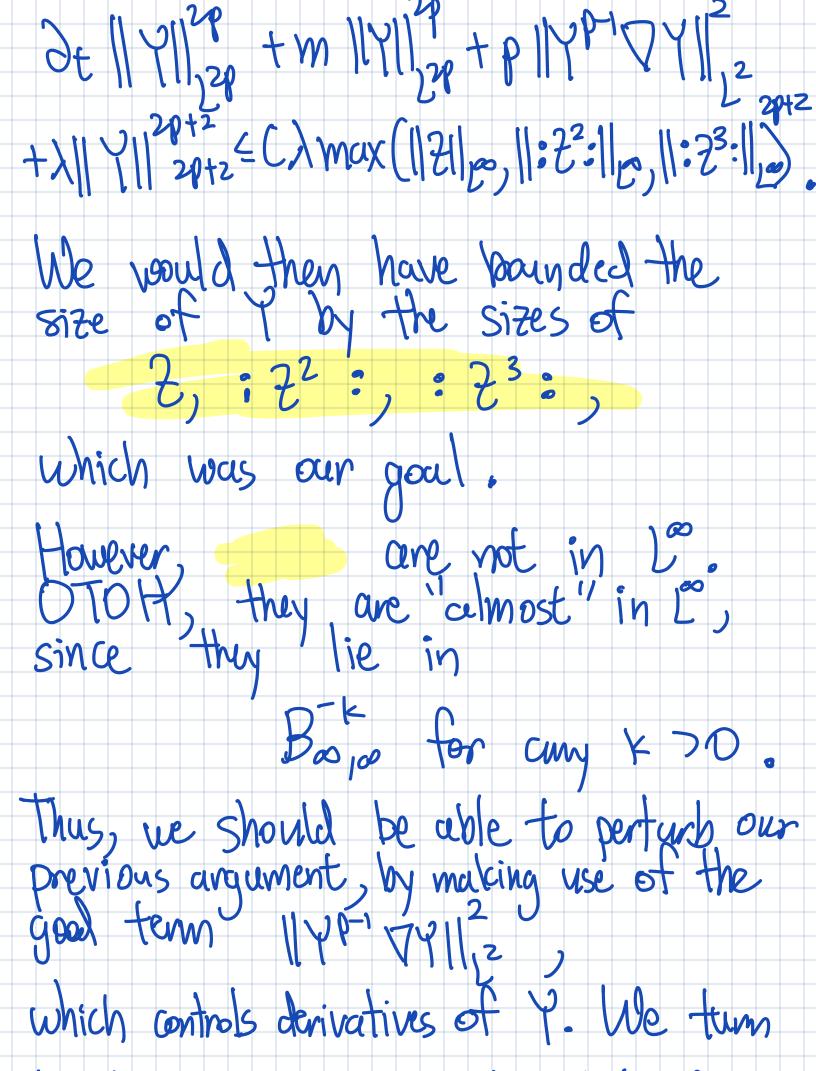
 $\frac{1}{2p} \frac{\partial_{t} (||Y||^{2p})}{\partial_{t} (||Y||^{2p})} = -\frac{2p}{2p} \frac{\partial_{t} (||Y||^{2p})}{\partial_{t} (||Y||^{2p})} = -\frac{2p}{2p} \frac{\partial_{t} (||Y||^{2p})}{\partial_{t} (||Y||^{2p})} = -\frac{2p}{2p} \frac{\partial_{t} (||Y||^{2p})}{\partial_{t} (|Y||^{2p})} = -\frac{2p}{2p} \frac{\partial_{t} (|Y||^{2p})}{\partial_{t} (|Y||^{2p})} = -\frac{2p}{2p} \frac{\partial_{t} (|Y||^$







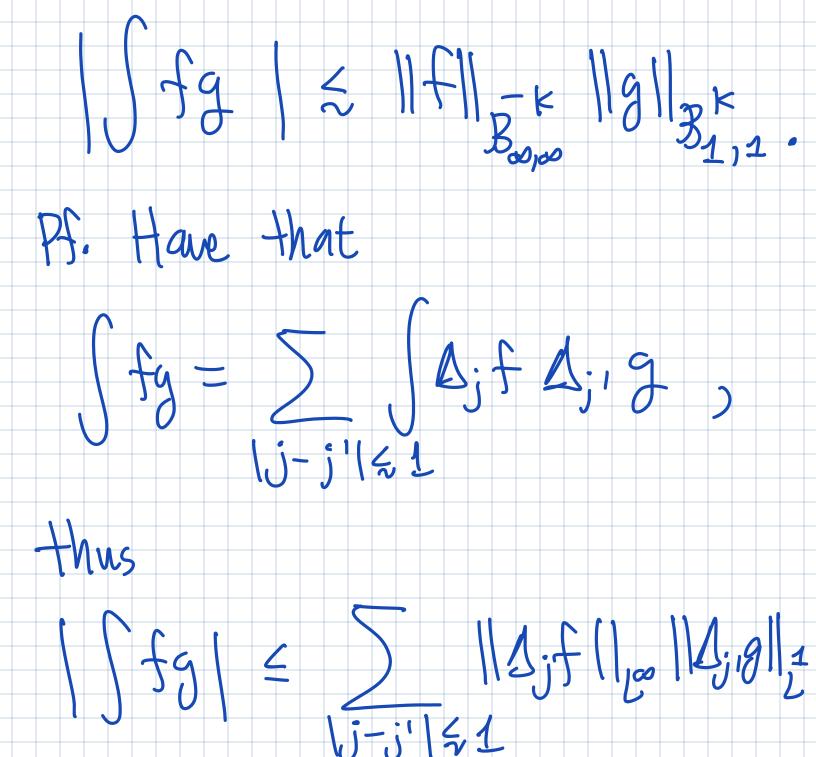


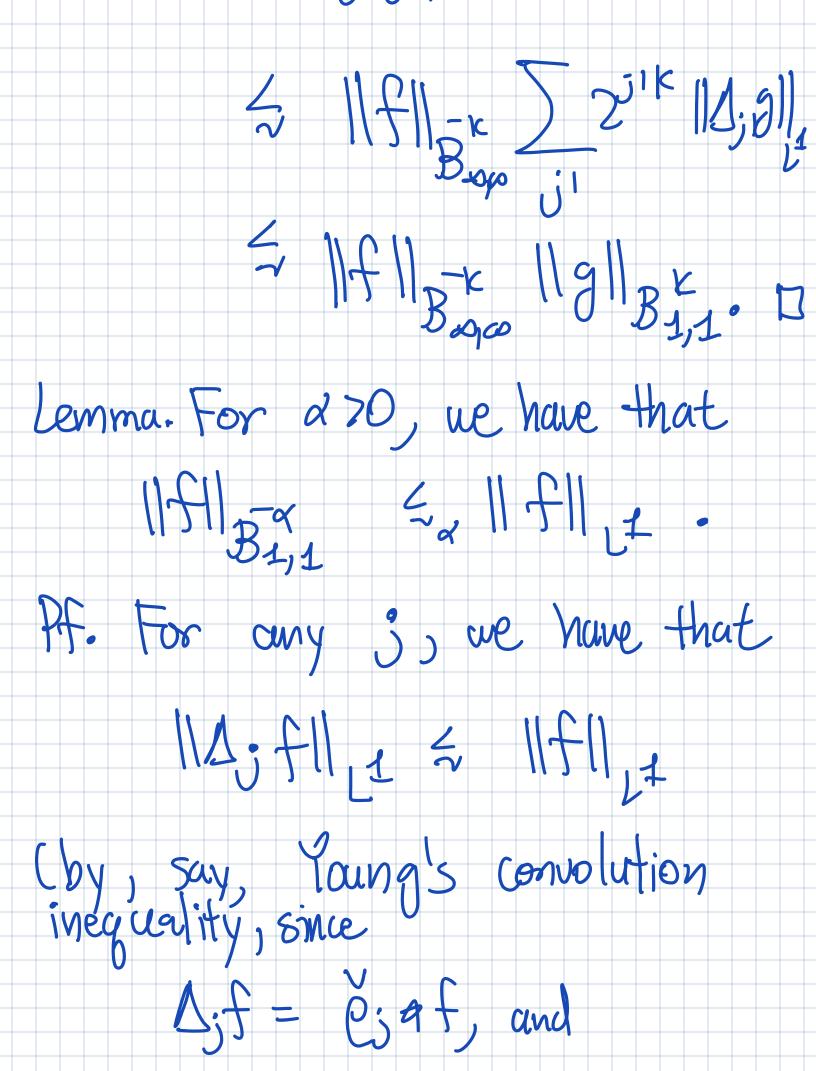


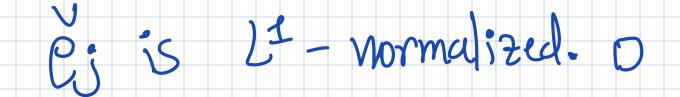
to this next. We will need the following

Analytic lemmas.

Lemma. Let K>O. ForfEB-200, gE Bos,007 we now that







Lemma. We have that $\|\|g\|\|_{\mathcal{B}^{K}} \leq \|g\|\|_{\mathcal{B}^{K}}^{\frac{1}{2}} \|g\|_{\mathcal{B}^{1},1}^{\frac{1}{2}}$ $\|g\|\|_{\mathcal{B}^{K}} \leq \|g\|\|_{\mathcal{B}^{1},1}^{\frac{1}{2}} \|g\|_{\mathcal{B}^{1},1}^{\frac{1}{2}}$

