Schauder estimates.

Ref: Bahauri, Chemin, Danchin "Fourier analysis and nonlinear PDE"

Simplification: work on II, since this avoids weights (which are needed in infinite volume) and lattice effects.































 $\partial_{\alpha} \left(\frac{-4\pi^2 |\mathbf{p}|^2 t}{e} \right) \partial_{\beta} \mathcal{L}(\mathbf{p})$







 $\frac{1}{1} \left(\frac{1}{1} + \frac{1}{1} + \frac{1}{2} + \frac{1$

and this shows the desired estimate



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Define Define $Duh(f)(f) := \int e^{cf} S(A-m) f(S) dS.$

Then we have the following Schauder estimate.







Il Duhcf)(t) || Bp,g

