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# Local well-posedness of the Anderson-Gross-Pitaevskii equation

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## Résumé

In this talk I will present the construction of confining Anderson operators on  $\mathbb{R}^2$ , that is Schrödinger operators with both a confining potential and a multiplicative spatial white noise. I will then explain how a paracontrolled approach of the operator allows to derive Strichartz estimates for the associated propagator. With Strichartz estimates at hand, I will outline the proof of the local wellposedness of the Anderson-Gross-Pitaevskii equation.

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