

## On the Lowest Landau Level equation

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We study the Lowest Landau Level equation with time evolution. This model is used in the description of fast rotating Bose-Einstein condensates. Using argument coming from the theory of the holomorphic functions, we provide a classification of the stationary solutions. We also prove some stability results. This is a work in collaboration with Patrick Gérard (Paris-Sud) and Pierre Germain (Courant Institute).

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