

An uncertainty principle and the $\bar{\partial}$ problem

GIAN MARIA DALL'ARA

Faculty of Mathematics, University of Vienna, Vienna, Austria

I will present a new uncertainty principle, and show how it allows to prove new solvability and compactness properties for certain $\bar{\partial}$ problems.

References

- [1] Dall'Ara, G. Pointwise estimates of weighted Bergman kernels in several complex variables *Advances in Mathematics*, **285**, 1706-1740, 2015.
- [2] Dall'Ara, G. Coercivity of weighted Kohn Laplacians: the case of model monomial weights in \mathbb{C}^2 *Transactions of the American Mathematical Society*, to appear.