
NGUYEN LAM, Memorial University of Newfoundland

Sharp Stability of the Second-order Heisenberg Uncertainty Principle

In this talk, we present sharp stability estimates for the second-order Heisenberg Uncertainty Principle. We derive explicit lower and upper bounds for the associated sharp stability constants and determine their exact asymptotic limits as the dimension N tends to infinity. This is joint work with Anh Do, Guozhen Lu, and Lingxiao Zhang.