## Sudan University of Science and Technology College of Graduate Studies

## The Alternative Version of Heisenberg Uncertainty Relations

النسخة البديلة لعلاقات عدم التيقن لهايزنبرج

A Thesis Submitted in Fulfillment Requirements for the Degree of Doctor of philosophy in Mathematics

## By Mohammed Yousif Abrahim Salih

Supervisor
Prof. Dr. Mohammed Ali Basheir

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