



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم



HANAA ALY



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم



شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



HANAA ALY



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



HANAA ALY



Ain Shams University
University College for Women
(Arts, Science, and Education)
Department of Mathematics

Quantum And Classical Correlation of Two Atoms

*A Thesis Submitted
in the Partial Fulfillment of the Requirement
for the Degree of*

*MASTER OF SCIENCE (M.Sc.)
(APPLIED MATHEMATICS)*

By

Esraa Reda Abdel-Hady Mohamed Elziaty

B.Sc. Mathematics, (2018)

Under the Supervision of

Prof. Dr. Abdel-Shafy Fahmy Obada

Professor of Applied Mathematics

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to the

**Mathematics Department,
University College for Women,
Ain Shams University**

Cairo,

Egypt.

(2022)



Ain Shams University
University College for Women
(Arts, Science, and Education)
Department of Mathematics

M. Sc. Thesis

(APPLIED MATHEMATICS)

Title of Thesis:

Quantum And Classical Correlation of Two Atoms

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COURSES

The student has passed the following courses in partial fulfillment of the requirement for an M. Sc. degree:

- | | |
|--|-------------|
| 1. Quantum Theory. | 3h per week |
| 2. Complex Analysis. | 3h per week |
| 3. Numerical Theory. | 3h per week |
| 4. Writing Scientific Research. | 3h per week |
| 5. Partial Differential Equations. | 3h per week |
| 6. Computational Methods in Applied Mathematics. | 3h per week |
| 7. Relativity Quantum Mechanics. | 3h per week |
| 8. Ethics of Scientific Research. | 3h per week |

Head of Mathematics Department



قَالُوا سُبْحَنَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ ﴿٣٢﴾

(سورة البقرة: 32)



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Cairo, Egypt

Esraa Reda.

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