



شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم



شبكة المعلومات الجامعية  
@ ASUNET



# شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم





شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

## قسم

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



## يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of  
15-25- c and relative humidity 20-40%

# بعض الوثائق الأصلية تالفة

# بالرسالة صفحات لم ترد بالاصل



**FOLDING OF CHAIN COMPLEXES BY USING  
HOMOLOGY GROUPS**

BVET

*A thesis*

Submitted in Partial Fulfilment  
of

*The Requirements for the Award of the  
Degree of Master of Science*

*in*

《 Pure Mathematics 》

*By*

**AHMED AHMED EL-ESAWY**

Demonstrator in the Faculty of Science, Tanta University.

B. Sc. Science (Mathematics) 1995

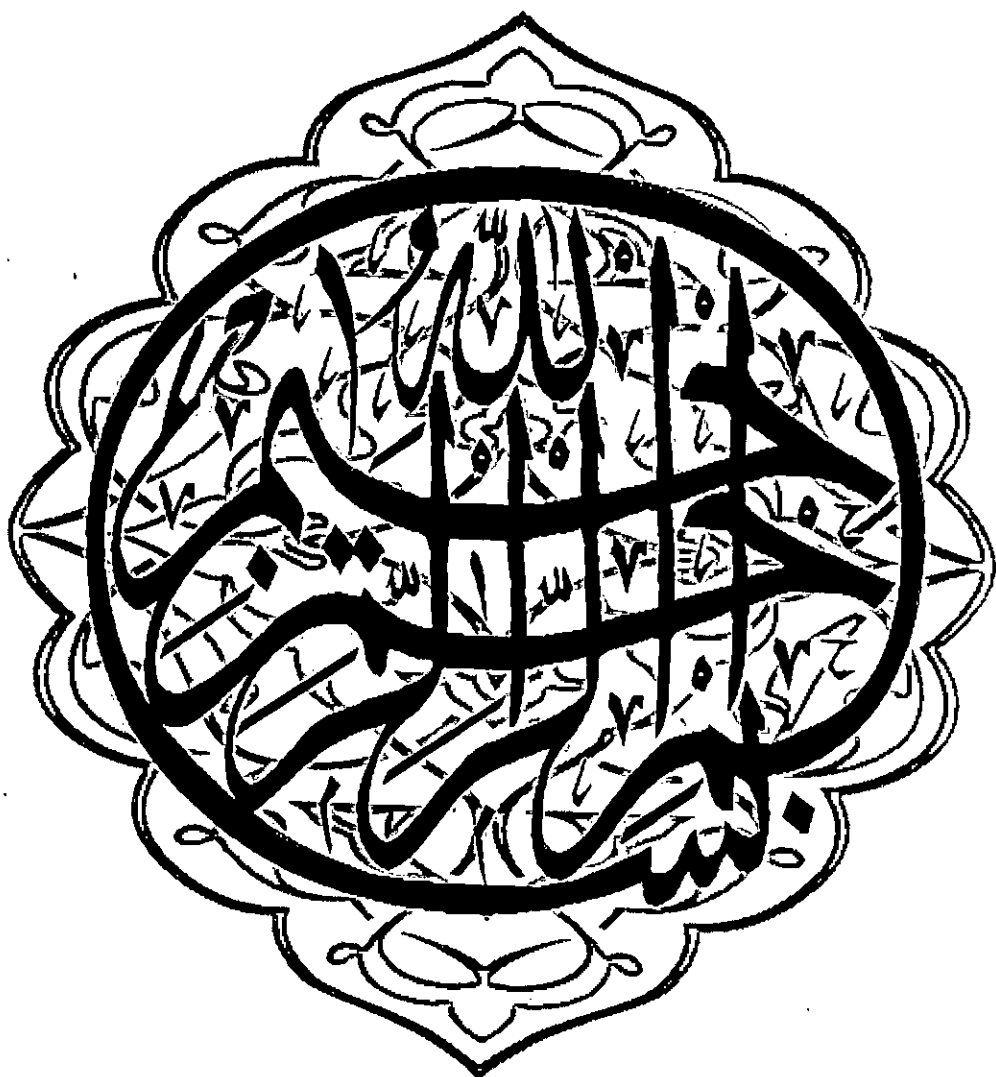
Department of Mathematics

Faculty of Science

Tanta University

2000









## CURRICULUM VITA

Name : **Ahmed Ahmed El-Esawy**

Date of Birth : 20/3/1973

Location : Shobra Malakan, El-Mehala El-Kobra, Ghrabia

Nationality : Egyptian.

Qualification : B. Sc. Degree in Mathematics (1995),  
with grade " Very good with honour " Faculty  
of Science, Tanta University.

Present State : Demonstrator in the Faculty of Science,  
Tanta University

Head of Mathematics Department

E. EL-kholy

(Prof. Dr. E. M. El-Kholy)





## **SUPERVISORS**

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**(Prof. Dr. E. M. El-Kholy)**

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## POSTGRADUATE STUDIES

The present thesis is submitted to Mathematics Department, Faculty of Science, Tanta University in Partial Fulfilment of requirements of the degree of Master of Science in Pure Mathematics.

Beside the research work materialized in this thesis, the candidate has attended five postgraduate courses within two years including the following topics :

- 1- Abstract Algebra
- 2- Numerical Analysis
- 3- Partial Differential Equations.
- 4- Functional analysis.
- 5- German language.

The applicant **Ahmed Ahmed El-Esawy** had successfully passed the final examinations (1997-1998) of these courses.

Head of Mathematics Department

E. EL-Kholy

(Prof. Dr. E. El-Kholy)



