



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

قسم

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



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %



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بعض الوثائق الأصلية تالفة



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بالرسالة صفحات
لم ترد بالأصل



AIN SHAMS UNIVERSITY
FACULTY OF ENGINEERING
Electronics and Communication Engineering Department

**DOA'S Estimation Technique Using Uniform and
Non Uniform Arrays**

A Dissertation
Submitted in Partial Fulfillment of
The Requirements of Ph.D. Degree in
Electrical Engineering
(Electronics and Communication Engineering)

By

ADEL GAMIL AHMED SHAKER

Supervised by

Prof. Dr. SALWA HUSSEIN ELRAMLY
Faculty of engineering, Ain Shams University

Prof. Dr. HADIA ELHENAWY
Faculty of engineering, Ain Shams University

Assis. Prof. Dr. MEDHAT MOKHTAR
Military Technical College

Cairo-2001

B7887





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EXAMINERS COMMITTEE

Name Title & Affiliation

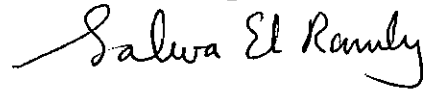
signature

-Prof. Dr. NABIL ABDEL MAKSOD ELNADY



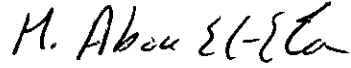
Information Technology Institute

-Prof. Dr. SALWA HUSSEIN ELRAMLY



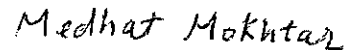
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STATEMENT

This dissertation is submitted to Ain Shams University for the Ph.D degree in Communication Engineering. The work included in this dissertation was carried out by the author in the department of Electronics and Communication Engineering, Ain Shams University From:

to: / / 2001

No part of this thesis has been submitted for a degree or qualification at any other university or institute.

Date : / / 2001

Signature :

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ACKNOWLEDGEMENTS

All gratitude is due to ALLAH, who made this success possible and affordable. No words can ever express my sincere thanks to all the people who contributed to the fulfillment of this work.

I was proud to work under the supervision of Prof. Dr. Salwa El-Ramly, Ain Shams University. I wish to express my sincere thanks for her valuable advices extensive assistance, constructive ideas and encouragement during the course of this work.

I was honored to work under the supervision of Prof. Dr. Hadia El-Henawy, Ain Shams University. I wish to express my thanks and appreciation to her for the supervision, useful assistance and guidance during the study and fulfillment of this work.

A special acknowledgement and deepest thanks is due to Assist. Prof. Dr. Medhat Mokhtar, Military Technical College, for his valuable help, valuable effort, inspiration and constructive discussions to present this work in this form.

Special thanks for my wife for her patience and generous during this research.

