



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

***THE USE OF PERSONAL COMPUTER TO
CONTROL THE AIR - FUEL RATIOS IN
SI ENGINES FOR BEST PERFORMANCE***

BY
MOHAMED EL SAYED GOMAA SAMRA

B.Sc. Mechanical (Power) Engineering
M.Sc. Mechanical (Energy) Engineering

A Thesis Submitted In Fulfillment for the Requirements of The Degree
Of Doctor Of Philosophy
In Mechanical Power Engineering

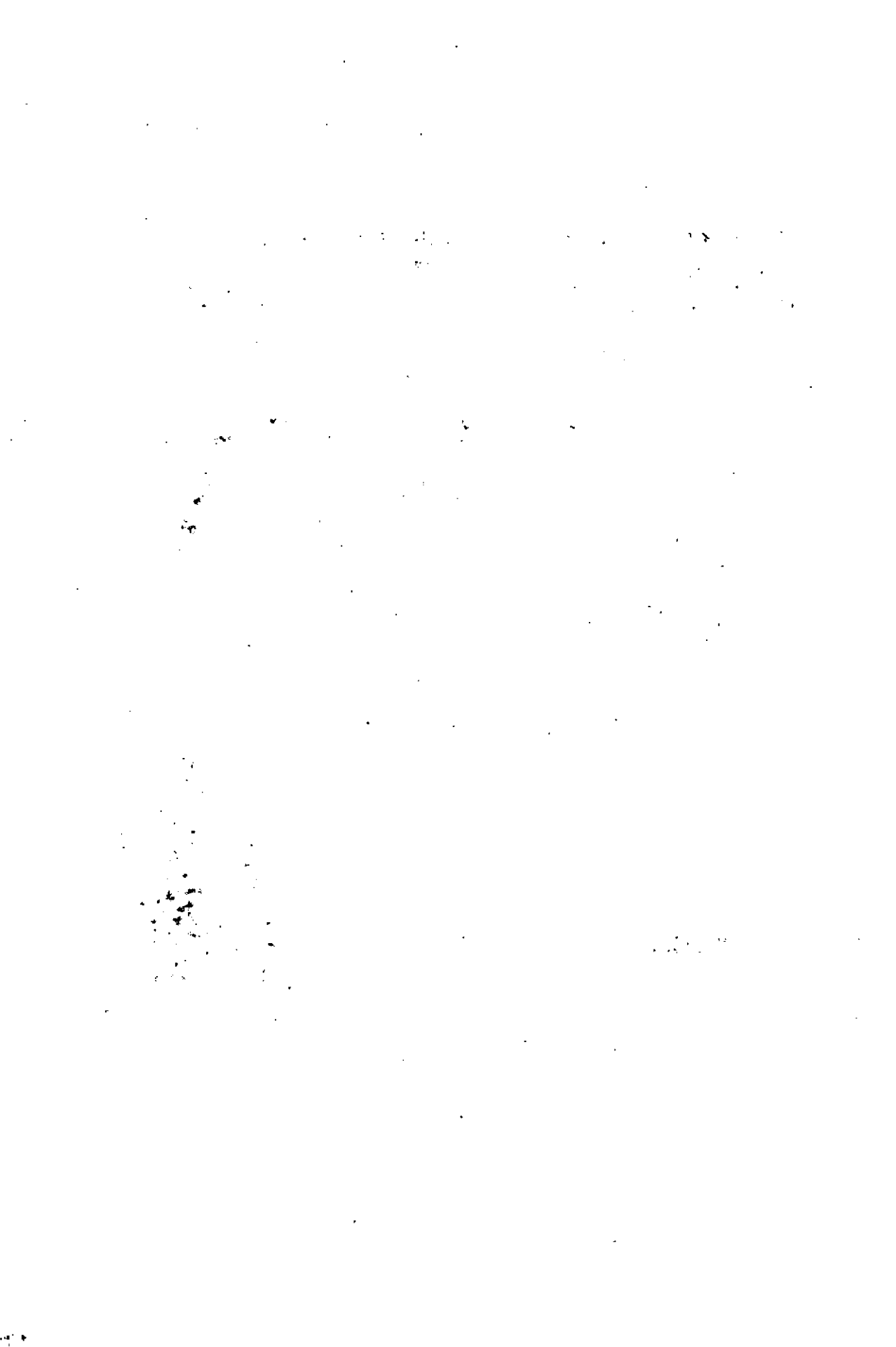
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1998

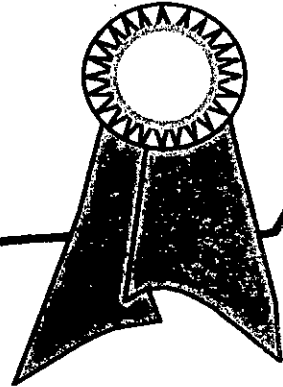
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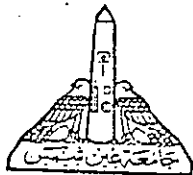


Dedication

**I dedicate this work
TO MY PARENTS WHO GAVE
AND ARE STILL GIVING
WITHOUT ASKING ANYTHING
IN RETURN**

**AND TO MY WIFE
AND MY SON, MOATAZ**





Ain Shams University
Faculty of Engineering

Ph. D. Thesis

Name : Mohamed El Sayed Gomaa Samra

Degree : Ph.D. in Mechanical Engineering

**Thesis Title : "The use of Personal computer to
control the air-fuel ratios in SI
engines for best performance"**

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Statement

This dissertation is submitted to Ain Shams University for the degree of Doctor of Philosophy in Mechanical Engineering.

The work comprised in this thesis was carried out by **Mohamed El Sayed Gomaa Samra** in the period from 11/1992 to 8/1998 .

No part of this dissertation had been submitted for a degree at any other university.

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