بسم الله الرحمن الرحيم

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

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 الاصلية تالفة

بالرسالة صفحات
لم ترد بالاصل

MAGNETIC FIELD MODEL IMPLEMENTATION AND ITS APPLICATION TO REACTION WHEEL MOMENTUM DUMPING

By

Bassem Ramzy Nairouz

A THESIS SUBMITTED TO THE FACULTY OF ENGINEERING AT CAIRO UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE DEGREE OF **MASTER OF SCIENCE**

IN

AEROSPACE ENGINEERING

Faculty of Engineering, Cairo University, Giza, Egypt.

2002

MAGNETIC FIELD MODEL IMPLEMENTATION AND ITS APPLICATION TO REACTION WHEEL MOMENTUM DUMPING

By

Bassem Ramzy Nairouz

A THESIS SUBMITTED TO THE FACULTY OF ENGINEERING AT CAIRO UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE DEGREE OF **MASTER OF SCIENCE**

IN

AEROSPACE ENGINEERING

Under the Supervision of

Prof. Dr. Sayed D. Hassan

Professor, Faculty of Engineering, Cairo University

Dr. Gamal M. El Bayoumi

Associate Professor, Faculty of Engineering, Cairo University

Faculty of Engineering, Cairo University, Giza, Egypt.

2002

MAGNETIC FIELD MODEL IMPLEMENTATION AND ITS APPLICATION TO REACTION WHEEL MOMENTUM DUMPING

By

Bassem Ramzy Nairouz

A THESIS SUBMITTED TO THE FACULTY OF ENGINEERING AT CAIRO UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE DEGREE OF **MASTER OF SCIENCE**

IN

AEROSPACE ENGINEERING

Approved By Examining Committee

Prof. Dr. Sayed D. Hassan	Thesis Main Advisor
Dr. Gamal M. El Bayoumi	Thesis Advisor
Prof. Dr. Magdi F. Mohammed Ragaee	Committee Member
Prof. Dr. Magdi O. Tantawy	Committee Member

Faculty of Engineering, Cairo University, Giza, Egypt.

2002

TABLE OF CONTENTS