

**AIN SHAMS UNIVERSITY
FACULTY OF ENGINEERING**

**FUZZY MULTICRITERIA DECISION MAKING
PROBLEMS
AND THEIR ENGINEERING APPLICATIONS**

BY

Eng. Niveen Mohamed Khalil Badra

Assistant Lecturer in Department of Physics and Engineering
Mathematics, Faculty of Engineering, Ain Shams University.

A Thesis

Submitted in Fulfillment For the Requirements of the Degree of
Doctor of Philosophy in Engineering Mathematics

Supervised By

Prof. Dr.

MOHAMED S. A. OSMAN

Professor of Mathematics,
Head of Engineering Departments,
Higher Technological Institute,
Tenth of Ramadan City.

Prof. Dr.

MOHAMED IBRAHIM HASSAN

Professor of Mathematics,
Head of Department of Engineering,
Physics and Mathematics,
Faculty of Engineering,
Ain Shams University.

Prof. Dr.

REDA A. EL-BARKOUKY

Professor of Mathematics,
Faculty of Engineering,
Ain Shams University.

Dr.

MOHAMED A. EL-AATY MAATY

Lecturer of Mathematics,
Faculty of Science,
Cairo University. (El - Fayom Branch)

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APPROVAL SHEET

THIS THESIS
ON

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Eng. Niveen Mohamed Khalil Badra

Assist. Lecturer in Department of Physics and Mathematics,
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HAS BEEN APPROVED BY

Name, Title and Affiliation

Signature

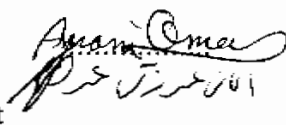
1. ***Prof. Dr. EL-SAYED EL-SAYED FARAG***

Professor of Mathematics,
Military Technical College, Cairo, Egypt.



2. ***Prof. Dr. AMANI ZAKI OMAR***

Professor of Mathematics,
Institute of National Planning, Cairo, Egypt



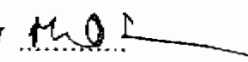
3. ***Prof. Dr. MOHAMED IBRAHIM HASSAN***

Professor of Mathematics,
Faculty of Engineering, Ain Shams University.



4. ***Prof. Dr. MOHAMED SAYED ALY OSMAN***

Professor of Mathematics,
Higher Technological Institute, Tenth of Ramadan City.



Date : 29 / 11 / 1997

Committee in Charge

STATEMENT

This dissertation is submitted to Ain Shams University for the Degree of *Doctor of Philosophy* in Engineering Mathematics.

The work included in this thesis was carried out by the author in the Department of Engineering Physics and Mathematics, Faculty of Engineering, Ain Shams University, from 1994 to 1997.

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

Name : *Niveen Mohamed Khalil Badra*

Signature :

Date : 29 / 11 / 1997

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CHAPTER 3 : STABILITY ALGORITHMS FOR DESIGNING CONJUGATE OBJECTIVES

3.1.	Introduction	64.....
3.2.	Stability Algorithm for Designing Conjugate Objectives of Linear Programming.	 65.....
3.3.	Stability Algorithm for Designing Conjugate Objectives of Quadratic Programming	 69.....
3.4.	Extended Stability Algorithm for Designing Conjugate Objectives of General non-Linear Programming	 81.....

CHAPTER 4 : FUZZY LINEAR AND QUADRATIC APPROACH AND CORRESPONDING APPLICATIONS

4.1.	Introduction	 90.....
4.2.	Optimality Direction and Fuzzy Quadratic Approach	 91.....
4.3.	Approximate Equivalent Weight Method	105
4.4.	Comparison Between the Two Methods.	106.
4.5.	Fuzzy Linear Approach for Selecting Best Compromise Solution and Fuzzy Decision Matrix.	 109

CHAPTER 5: FUZZY NON - LINEAR APPROACH AND ITS ENGINEERING APPLICATIONS

5.1.	Introduction	.. 116....
5.2.	Problem Formulation	.. 116....
5.3.	Fuzzy Problem	.. 117....
5.4.	Solution Set Γ	.. 117....
5.5.	Fuzzy Decision Matrix.	.. 117....
5.6.	Region of Activity	.. 118....
5.7.	Fuzzy Non - Linear Procedure	... 118....
5.8.	Improving Efficiency of the Solution...	119....
5.9.	Application Example	 119...
5.10.	Fuzzy General Approach for Selecting Best Compromise Solution Set and Goal Solution with the Corresponding VOP Solution.	..124....
5.11.	Decision Analysis and Fuzzy Optimization Design of Structures.	..131....

CHAPTER 6: RECOMMENDATIONS AND POINTS FOR FURTHER RESEARCH146

REFERENCES

.... 149....

List of Figures

Figure	Title	Page
Fig. 5.1 :	Three bar truss	136

List of Tables

Table	Title	Page
Table 2.1 :	Special cases of quadratic programming (optimality at once)	24
Table 2.2 :	Special cases of quadratic programming (reduction for the dimension)	26
Table 2.3 :	Results of the comparison between exact and approximate optimality direction	34
Table 2.4 :	Conversion from VOP to goal model through w - weight method	42
Table 2.5 :	Results of the example	45
Table 2.6 :	Results of w - weighting method	45
Table 2.7 :	Conversion from VOP to goal model through ϵ - constraint method	51
Table 2.8 :	Results of the example	53
Table 2.9 :	Results of ϵ - constraint method	54
Table 2.10 :	Conversion from VOP to goal model through ϵ - w hybrid method	55
Table 2.11 :	Results of the example	58
Table 2.12 :	Results of ϵ - w hybrid method	58

CHAPTER 1

SURVEY ON RELATED TOPICS

