C.V.

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Name : Mamdouh Elsaied Elborolosy

Sex : Male

Nationality : Egyptian

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Profession : Assis. Prof.

Current Address :

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Social State : Married

Qualifications

Qualifications	Specialization	date	Grade
BA	Mathematics	1 – 8 - 1994	Very good with honor

Qualifications	Specialization		Date
Master	Differential Equations		26 – 1 – 1999
Title	On Bifurcation Theory of the Ordinary Differential Equations		

Qualifications	Specialization		Date
Ph. D.	Operations Research		25 – 10 – 2005
Title	A Study on Complex Programming Problems		

Employments

Employment	College	University	From	To	Specialization
Demonstrator	Science	Tanta	1995	1999	Mathematics
Assist. Lecturer	Science	Tanta	1999	2005	Mathematics
Lecturer	Science	Tanta	2005	2006	Mathematics
Assist. Prof.	Teachers	King Faisal	2006	2009	Mathematics
Assist. Prof.	Science	King Faisal	2009	2018	Mathematics

Teaching Experiments

No.	Course	Stage
1	Statistics and Probabilities (1)	Bachelor Stage
2	Statistics and Probabilities (2)	Bachelor Stage
3	Mathematical Applications	Bachelor Stage
4	Numerical Analysis	Bachelor Stage
5	Numerical Analysis	Master Stage
6	Complex Analysis	Bachelor Stage
7	Topology	Bachelor Stage
8	Planer Geometry and Geometrical Transformations	Bachelor Stage
9	Euclidian and Non-Euclidian Geometry	Bachelor Stage
10	Numbers Theory	Bachelor Stage
11	Calculus (1)	Bachelor Stage
12	Calculus (2)	Bachelor Stage
13	Algebra	Bachelor Stage
14	Elements of Algebra	Bachelor Stage
15	Differential Equations	Bachelor Stage
16	General Mathematics	Bachelor Stage
17	Introduction to Statistics	Bachelor Stage
18	Elements of Statistics	Bachelor Stage
19	Quantitative Methods for Business	Bachelor Stage
20	Differential Formula and Analysis of Vectors	Bachelor Stage

publications

(1) Extension to Necessary Optimality Conditions in Complex Programming, Applied Mathematics and Computation, Vol. 154, pp. 229-237, 2004.

(2) Extension to Sufficient Optimality Conditions in Complex Programming, Journal of Mathematics and Statistics, Vol. 1, pp. 40-48, 2005.

(3) Semi-E-Convexity in Complex Programming, Jokull Journal Vol. 64(4), pp. 148-158, 2014.

(4) Efficiency for a Generalized Form of Vector Optimization Problems in a Complex Space. Optimization, Journal of Mathematical Programming and Operations Research, DOI: 10.1080/02331934.2015.1104680. Vol. 65(6), pp. 1245-1257, 2016.

(5) Extension of proper efficiency in complex space. Mathematical Methods in the Applied Sciences, DOI: 10.1002/mma.4715 , Vol. 41(15), pp. 5792-5800, 2018.

(6) Proper Efficiency for Nonlinear Multi-objective Programming Problems in Complex Space.(in press)

(7) Saddle Points Optimality Criteria for a Generalized Class of Complex Multi-objective Programs.(in press)

(8) Complex Programming Problems and Related Real Programming Problems.(in press)

(9) (E,F) -Convexity in Complex Programming Problems.(in press)

Research Interests

- Linear programming

- Non-Linear programming

- Optimization

- Numerical Analysis

- Statistics

- Differential Equations

Working committees and faculty activities

1- Member of the committee on Academic affairs of the college.

2- Member of the committee on Academic Advising.

3- Founding member of the committee on development of Statistics department in the college.

4- Founding member of the committee on development of Diploma on Operations Research in the department of Mathematics.

5- Member of the coordination committee of Quality Files.

Reviewing papers

I've reviewed some papers in specialized scientific journals.

Training Programs and Workshop Attendance

- Learning Outcomes and Methods of Measurement.

- Construction of Achievement Exams According to International Standards.

- Staff Member as a Leader and Administrative: Basic Skills of Leadership and Management.

- Courses' Design.

- Using SPSS in Quantitative Researches.

- Advanced MS-Word 2013.

- Program Description and Program Annual Report.

- Wep of science and EndNote Training Workshop.

- KPI and Benchmarking.

- Scientific Publication Skills.

- Effective Teaching Strategies.

- Using Blackboard: Skills and Tools.

- Principles of Photoshop.

- Access 2010.

Conference Attendance

International Conference on Mathematics, Statistics and Information Technology (ICMSIT 2016), Department of Mathematics, faculty of Science, Tanta University, Tanta, Egypt. Paper's title: Extension of proper efficiency in complex space