

The Collection VIII

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Department of Mathematics

Faculty of Science

University of Malta

Proceedings of Workshop held on the 11th November 2003

The Collection VIII
Faculty of Science
Department of Mathematics

Date: 11th November 2003

Time: 15.00 – 17.00

Venue: LC 120

A seminar/workshop is being held on Tuesday 11th November 2003 at 1500. Students and staff from the Department of Mathematics, Faculty of Science will present ideas from various fields of mathematics.

Keynote speakers:

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| Roberta Micallef | Isometries |
| Roderick Guzman | An old Japanese Theorem |
| Antoine Grech Ian George Walker | Couples and Handshakes |
| Mark Anthony Caruana | Generation of primes |
| Professor Anton Buhagiar | Discrimination using Eigenvectors |

We shall end with a brief session for spontaneous problem posing. You are cordially invited to attend.

Abstracts of possible proofs or conjectures which you wish to share with us in this meeting, or in a future one, may be sent to Dr. I. Sciriha or Ms. A. Attard, Department of Mathematics, (marked The Collection), at any time of the year.

Dr. I. Sciriha
Organizer

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Foreward

The whole problem with the world is that fools and fanatics are always so sure of themselves, but wiser people so full of doubts.

Bertrand Russel(1872-1970)

This workshop has once more brought together staff and students with diverse interests in mathematics. We had a taste of classical geometry from Japan, interaction between matrices and combinatorics, symmetries and inner product spaces as well as the attractive area of prime numbers. Moreover, Prof Anton Buhagiar regaled us with yet another encounter with one of the myriad powerful applications of eigenvector techniques. I leave it up to you to shuffle through the pages of this issue of *The Collection* to have a glimpse of the long and interesting journey that mathematics has travelled since the time of the Greeks.

Irene Sciriha
Editor