

Irish Mathematical Society

Cumann Matamaitice na hÉireann

BULLETIN Number 58 Winter 2006

ISSN 0791-5578

Contents

Editorial

Notices from the Society

Officers and Local Representatives	1
Applying for IMS Membership	2
Minutes of Annual General Meeting, 5 September 2006	4
President's Report 2006	9

The 19th Annual September Meeting

Programme	13
Abstracts of Talks	15

Announcements of Conferences

21

Abstracts of PhD Theses

25

(Emma Holian; Colm P. Howlin; Patrick J. Johnson;
Conal Ruddy; Stefan A. G. De Wannemacker.)

Discourse on the Interface of Mathematics and Physics:

a panel discussion sponsored by the DIT and the RIA	33
(Sir Michael Atiyah, Sir Michael Berry, Luke Drury, Arthur Jaffe and Brendan Goldsmith (Chair))	

Research Notes

Richard A. Mollin: <i>Quadratic Diophantine Equations $x^2 - Dy^2 = c^n$</i>	55
Ahmet Tekcan and Hacer Özden: <i>On the Quadratic Irrationals, Quadratic Ideals</i> and Indefinite Quadratic Forms	69
J. B. Twomey: <i>The Hilbert Transform and Fine Continuity</i>	81

Miscellanea

Rachel Quinlan: <i>Ireland's Participation in the 47th</i> International Mathematical Olympiad	93
--	----