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Lecture Notes in Mathematics

Edited by A. Dold and B. Eckmann

415

Ordinary and Partial Differential Equations

Proceedings of the Conference
held at Dundee, Scotland, 26–29 March, 1974

Edited by
B. D. Sleeman and I. M. Michael



Springer-Verlag
Berlin · Heidelberg · New York 1974

Dr. B. D. Sleeman
Dr. I. M. Michael
Dept. of Mathematics
University of Dundee
Dundee DD1 4HN/Scotland

Library of Congress Cataloging in Publication Data

Conference on Ordinary and Partial Differential
Equations, Dundee, Scot., 1974.
Ordinary and partial differential equations.

(Lecture notes in mathematics, v. 415)

1. Differential equations--Congresses. 2. Differential equations, Partial--Congresses. I. Everitt, William Norrie, ed. II. Sleeman, B. D., ed.

III. Michael, Ian MacRae, 1940- ed. IV. Title. V. Series: Lecture notes in mathematics (Berlin), v. 415

QA3.L28 no. 415 [QA371] 510'.8s [515'.35] 74-18467

AMS Subject Classifications (1970): 34 A 10, 34 A 40, 34 B 15, 34 B 20, 34 B 25, 34 C 10, 34 C 25, 34 C 35, 34 D 15, 34 D 99, 34 J 99, 35 A 05, 35 A 15, 35 A 20, 35 A 40, 35 A 99, 35 B 20, 35 B 35, 35 B 45, 35 D 10, 35 G 10, 35 G 15, 35 J 10, 35 J 60, 35 K 10, 35 K 55, 35 L 05, 35 N 10, 35 P 15, 45 D 05, 46 E 20, 47 A 10, 47 A 40, 47 A 55, 47 E 05, 47 F 05, 81 A 09, 81 A 10.

ISBN 3-540-06959-3 Springer-Verlag Berlin · Heidelberg · New York
ISBN 0-387-06959-3 Springer-Verlag New York · Heidelberg · Berlin

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Offsetdruck: Julius Beltz, Hemsbach/Bergstr.

P R E F A C E

These Proceedings form a record of the lectures at the Conference on Ordinary and Partial Differential Equations held at the University of Dundee, Scotland during the four days 26 to 29 March 1974.

The Conference was attended by 150 mathematicians from the following countries: Belgium, Berlin, BRD (Germany), Canada, Czechoslovakia, DDR (Germany), Finland, Ireland, The Netherlands, Norway, South Africa, Sweden, Switzerland, the United Kingdom and the United States of America.

Both invited and contributed lectures formed an important part of the work of the Conference and a list of all these lectures will be found in the contents of these Proceedings.

The Conference was organised by the following Committee: W. N. Everitt (Chairman); B. D. Sleeman and I. M. Michael (Organising Secretaries).

I take this opportunity to record that at the 1972 Dundee Conference (see Lecture Notes in Mathematics (Springer-Verlag) Volume 280) the Organising Committee named as Honorary Presidents of the Conference

Professor Dr Wolfgang Haack (Berlin)

Professor Einar Hille (United States of America).

At the 1974 Dundee Conference the Organising Committee named as Honorary Presidents

Academician Otakar Borůvka (Czechoslovakia)

Professor Dr Ernst Mohr (Berlin).

On behalf of the Committee I thank all mathematicians who took part in the work of the Conference, especially those who travelled long distances to be in Dundee in March 1974. The Committee thanks: the University of Dundee for generously providing facilities which made it possible to hold the Conference in Dundee; the Warden and Staff of Belmont Hall for accommodation; and colleagues in the Department of Mathematics.

In particular the Committee thanks, as in 1972, Mrs Norah Thompson, Secretary in the Department of Mathematics, for her sustained efforts over several weeks which made possible the preparation of the papers for the Conference and several of the contributions of these Proceedings.

Finally I thank my senior colleagues Dr B. D. Sleeman and Dr I. M. Michael for their efforts and cheerfulness over several months which culminated in a successful and most enjoyable Conference.

W. N. Everitt

Dundee, Scotland

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- B. Karlsson: A theorem about the deficiency of pairs of differential expressions
- V. Krishna Kumar: A strong limit-2 classification for a fourth-order formally-symmetric differential expression
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- J. R. L. Webb: On the Dirichlet problem for strongly nonlinear second order equations in arbitrary domains

LIST OF SPEAKERS

Invited Speakers

- C. Andreian Cazacu: Institut de Mathematique, Calea Grivitei 21,
Bucarest 12, Romania.
- J. V. Baxley: Department of Mathematics, Wake Forest University,
Winston-Salem, North Carolina 27109, USA.
- N. W. Bazley: Mathematical Institute, University of Cologne,
5 - Cologne/Lindenthal 41, Weyertal 86, West Germany.
- J. W. Bebernes: Department of Mathematics, University of Colorado,
Boulder, Colorado 80302, USA.
- H. E. Benzinger: Department of Mathematics, University of Illinois,
273 Altgeld Hall, Urbana, Illinois 61801, USA.
- O. Borůvka: The Mathematical Institute, Janackovo nam 2a,
66295 Brno, Czechoslovakia.
- B. L. J. Braaksma: Mathematisch Instituut, Universiteit Groningen,
Postbus 800, Groningen, Netherlands.
- P. J. Browne: Department of Mathematics, University of Calgary,
Calgary, Alberta T2N 1N4, Canada.
- L. Collatz: Institut für Angewandte Mathematik, Universität Hamburg,
2, Hamburg 13, Roghenbaumchaussee 41, West Germany.
- H. S. V. de Snoo: Mathematisch Instituut, Universiteit Groningen,
Postbus 800, Groningen, The Netherlands.
- A. Devinatz: Department of Mathematics, Northwestern University,
Evanston, Illinois 60201, USA.
- M. S. P. Eastham: Department of Mathematics, Chelsea College, Manresa Road,
London SW3.

- D. E. Edmunds: Mathematics Division, University of Sussex, Falmer,
Brighton BN1 9QH, Sussex.
- M. R. Essén: Department of Mathematics, Royal Institute of Technology,
100 44 Stockholm 70, Sweden.
- M. Faierman: Department of Mathematics, Loyola College, 7141 Sherbrooke
Street West, Montreal, Quebec, Canada.
- I. Fenyő: H - 1125 Budapest, Istenehyi UT 48/A , Hungary.
- A. Friedman: Department of Mathematics, Northwestern University,
Evanston, Illinois 60201, USA.
- M. Giertz: Department of Mathematics, Royal Institute of Technology,
100 44 Stockholm 70, Sweden.
- P. Habets: Institut de Mathématique Pure et Appliquée, Université
Catholique de Louvain, B-1348 Louvain-La-Neuve, Belgium.
- W. A. Harris: Department of Mathematics, University of Southern
California, Los Angeles, USA.
- P. Hess: Mathematics Institute, University of Zürich,
Freiestrasse 36, 8032 Zürich, Switzerland.
- E. Hille: Department of Mathematics, University of California,
San Diego, La Jolla, California 92037, USA.
- D. B. Hinton: Department of Mathematics, University of Tennessee,
Knoxville, Tennessee 37916, USA.
- I. W. Knowles: Department of Mathematics, University of the Witwatersrand,
Johannesburg, South Africa.
- K. Kreith: Department of Mathematics, University of California,
Davis, California 95616, USA.

- J. B. McLeod: The Mathematical Institute, 24-29 St Giles, Oxford.
- E. Mohr: Technische Universität Berlin West, 1 Berlin 12,
Strasse des 17 Juni 35, Germany.
- H.-D. Niessen: Department of Mathematics, University of Essen,
Gesamthochschule, 43 Essen, Unionstrasse 2, Germany.
- Å. V. C. Fleijel: Matematiska Institutionen, Syslomagatan 8,
75223 Uppsala, Sweden.
- K. Schmitt: Mathematisches Institut I, Universität Karlsruhe,
75 Karlsruhe, West Germany.
- G. R. Sell: School of Mathematics, University of Minnesota,
Minneapolis, Minnesota 55455, USA.
- I. Stakgold: Department of Mathematics, Northwestern University,
Evanston, Illinois 60201, USA.
- F. Stummel: Johann Wolfgang Goethe-Universität, Mathematisches
Seminar, 6 Frankfurt-am-Main, Robert-Mayer-Strasse 10,
West Germany.
- J. Walter: Institute of Mathematics, Technical University,
51 Aachen, Germany.
- J. Weidmann: Fachbereich Mathematik der Universität Frankfurt,
6 Frankfurt am Main, Robert Mayer-Strasse 10, Germany.
- J. S. W. Wong: Department of Mathematics, University of Iowa,
Iowa City, USA.
- A. Zettl: Department of Mathematical Sciences, Northern Illinois
University, Dekalb, Illinois 60115, USA.

Other Speakers (contributed lectures)

- F. M. Arscott: Department of Applied Mathematics, University of Manitoba,
Winnipeg, Manitoba, Canada.
- J. M. Ball: Department of Mathematics, Heriot-Watt University,
Riccarton, Midlothian.
- M. F. Barnsley: Department of Mathematics, University of Bradford,
Bradford, Yorkshire.
- B. M. Brown: Department of Pure Mathematics, University College,
Cardiff.
- E. J. Brändas: Quantum Chemistry Group, University of Uppsala,
S-751 20 Uppsala 1, Sweden.
- J. Carr: The Mathematical Institute, 24-29 St Giles, Oxford.
- P. J. Caudrey: Department of Mathematics, The University of Manchester,
PO Box 88 Sackville Street, Manchester.
- F. H. Cooper: Department of Mathematics, University of Glasgow,
Glasgow.
- J. de Graaf: Department of Mathematics, University of Groningen,
Groningen, The Netherlands.
- J. W. de Rooever: Mathematisch Centrum, Amsterdam, The Netherlands.
- J. Dyson: Brasenose College, Oxford.
- W. D. Evans: Department of Pure Mathematics, University College,
Cardiff.
- W. N. Everitt: Department of Mathematics, The University, Dundee DD1 4HN.
- D. L. Farnsworth: Division of Science and Mathematics, Eisenhower College,
Sencca Falls, New York 13148, USA.

- H. I. Freedman: School of Mathematics, University of Minnesota,
127 Vincent Hall, Minneapolis, Minnesota 55455, USA.
- B. H. Gilding: School of Mathematical and Physical Sciences,
University of Sussex, Falmer, Brighton.
- W. S. Hall: Department of Mathematics, University of Pittsburgh,
615 Schenley, Pittsburgh, PA 15213, USA.
- S. G. Halvorsen: Inst. Num. Mat. University of Trondheim, N.T.H.,
7034 Trondheim, Norway.
- M. Hehenberger: Quantum Chemistry Group, Uppsala University, Box 518,
75120 Uppsala 1, Sweden.
- G. Jank: Lehrkanzel und Institut für Mathematik, Technische
Hochschule in Graz, A-8010 Graz, Kopernikusgasse 24,
Austria.
- H. Kalf: Institut of Mathematics, Technical University,
51 Aachen, Germany.
- P. A. Källström: Department of Mathematics, University of Dundee,
Dundee, Scotland.
- B. A. Karlsson: Department of Mathematics, University of Uppsala,
Sysslomansgatan 8, 75223 Uppsala, Sweden.
- V. Krishna Kumar: Department of Mathematics, University of Dundee
Dundee, Scotland.
- N. G. Lloyd: St John's College, Cambridge.
- S. O. Londen: Institute of Mathematics, Helsinki University of
Technology, Otaniemi, Finland.
- R. Martini: Afdeling Wiskunde T.H. Delft, Julianalaan 132,
Delft, The Netherlands.
- F. A. Musa: Department of Computational Science, Liverpool University,
Liverpool, England.

- K. L. Nickel: Institut für Praktische Mathematik, Universität,
D(75) Karlsruhe, Germany.
- L. A. Peletier: Mathematics Division, University of Sussex, Falmer
Brighton.
- J. Persson: The Auroral Observatory, University of Tromsø,
Postboks 953, N-9001, Tromsø, Norway.
- A. T. Plant: Fluid Mechanics Research Institute, University of Essex,
Wivenhoe Park, Colchester.
- A. J. B. Potter: Mathematics Department, King's College, University of
Aberdeen, Aberdeen, Scotland.
- G. F. Roach: Department of Mathematics, University of Strathclyde,
Glasgow, Scotland.
- P. D. Robinson: School of Mathematics, Bradford University, Bradford,
Yorks.
- C. G. Simader: Mathematisches Institut der Universität München,
D 8 München 2, Theresienstr. 39, Germany.
- B. D. Sleeman: Department of Mathematics, The University, Dundee,
Scotland.
- R. A. Smith: Department of Mathematics, University of Durham,
Durham.
- J. F. Toland: Fluid Mechanics Research Institute, University of
Essex, Wivenhoe Park, Colchester.
- U. Trottenberg: Mathematisches Institut der Universität Köln,
Weyertal 86-90, D 50000-Köln 41, Germany.
- P. Volkmann: Mathematisches Institut I, Der Universität (TH),
75 Karlsruhe 1, Germany.

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- L. J. Walpole: School of Mathematics and Physics, University of East Anglia, Norwich.
- J. R. L. Webb: Department of Mathematics, The University of Glasgow, Glasgow, Scotland.
- A. D. Wood: Department of Mathematics, Cranfield Institute of Technology, Cranfield, Bedford.