

Geometry and Physics

Institute of Mathematics, University of Aarhus
Aarhus, Denmark, 1995

A special session on Geometry and Physics
Organised by Aarhus and Odense Universities
1st April to 30th September, 1995



Does symplectic
imply non-vanishing?
Advisory Committee

S. K. Donaldson (Oxford)
N. J. Hitchin (Cambridge)
V. G. Turaev (Strasbourg)
S.-T. Yau (Harvard)

Participants include:

E. Aldrovandi (Aarhus)
M. F. Atiyah (Cambridge)
D. Bar-Natan (Harvard)
R. Bott (Harvard)
J.-P. Bourguignon* (Palaiseau)
R. L. Bryant (Duke)
A. S. Dancer (MPI, Bonn)
R. Dijkgraaf (Amsterdam)
S. K. Donaldson (Oxford)
D. Freed (Austin)
U. Haagerup (Odense)
N. J. Hitchin (Cambridge)
V. Jones (Berkeley)
D. Joyce (IAS, Princeton)
F. Kamber (Urbana)

R. Kirby (Berkeley)
M. Kontsevich (Berkeley)
C. R. LeBrun (Stony Brook)
W. B. R. Lickorish (Cambridge)
S. A. Merkulov (Plymouth)
M. Pontecorvo (SISSA, Trieste)
Y. S. Poon (Riverside)
N. Reshetikhin (Berkeley)
S. M. Salamon (Oxford)
G. Segal (Cambridge)
C. Taubes (Harvard)
K. P. Tod (Oxford)
V. G. Turaev (Strasbourg)
O. Viro (Uppsala)
S.-T. Yau (Harvard)

Conference

18th to 27th July, 1995

Quantum Invariants and Low-Dimensional Topology including Special Holonomy and Twistor Theory

Opening lecture by Sir Michael Atiyah

Workshops

Moduli Spaces of
Semi-stable
Bundles over
Riemann Surfaces
16th to 29th May
T. R. Ramadas (Tata)
V. B. Mehta (Tata)
K. Ueno* (Tokyo)

Quantum Invariants of 3-manifolds

1st to 22nd August
A. Alekseev (Uppsala)
S. Axelrod (MIT)
T. Goto (MSRI)
H. Murakami (Osaka)
T. Ohtsuki (Tokyo)
P. Vogel (Paris VII)

Partial Support: A small amount may be available for financial assistance. Priority will be given to young researchers. We regret that support can not be given for travel to and from Denmark.

Operator Algebra and Topology

Co-organiser:
U. Haagerup (Odense)
19th to 30th June
V. Jones (Berkeley)
A. Ocneanu (Penn State)
S. Popa (UCLA)
D. Voiculescu (Berkeley)

Quantum Cohomology and Mirror Symmetry

September
R. Bott (Harvard)

Summer School
for Ph. D. students
6th to 13th July, 1995
at Odense University

Co-organiser: H. J. Munkholm (Odense)
Supported by the Danish Research Academy
D. Bar-Natan (Harvard)
K. Fukaya (Tokyo)
L. Jeffrey (Princeton)
T. S. Mrowka* (Caltech)
M. Thaddeus (Harvard)
G. Tian (Courant)

Organisers: Jørgen Ellegaard Andersen (Aarhus, andersen@mi.aau.dk), Johan Dupont (Aarhus, dupont@mi.aau.dk), Henrik Pedersen (Odense, henrik@imada.ou.dk), Andrew Swann (Odense, swann@imada.ou.dk).

If you wish to participate, please send your name, address, e-mail address, provisional dates and accommodation requirements to: 'Geometry and Physics', Matematisk Institut, Ny Munkegade, DK-8000 Aarhus C, Denmark; e-mail: gap@mi.aau.dk.

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The proceedings of the conference will be published by Marcel Dekker, Inc.