of $GL_n(F)$, provided $|F| > 5$, and he showed how this, and rel-
ated results, have been used to classify certain linear maps
from a space of square matrices to itself.

Des MacHale spoke on 'The Relationship Between $|G|$ and
$|Aut\ G|$ for a Finite Group'.   He reported on functions $f(n)$
such that if $p^{f(n)}$ divides $|G|$, then p^n divides $|Aut\ G|$, and
also on results related to the conjecture that if G is a non-
cyclic p-group of order p^3 or more, then $|G|$ divides $|Aut\ G|$.
He finished by mentioning a number of other open questions.

In the last lecture of the Conference, Trevor Hawkes
dealt with three topics involving 'Linear Methods in Soluble
Groups'.   He first proved that if H is an F-projector of G,
where F is a saturated formation, and if every irreducible
character of H can be extended to G, then H has a normal comp-
lement.   He then showed tnat the Fitting length of G is bound-
ed in terms of the composition length of a Fischer subgroup
(nilpotent injector).   Finally he reported on groups with a
fixed-point-free operator group.

Labhair Mícheál Ó'Searcóid faoi 'Comhaireamh p-Fho-
ghrúpaí '.   David Lewis gave a talk on 'Sums of Squares in
Division Algebras'.

We would like to thank the lecturers, the sponsors, and
the participants for their continued support.

Rex Dark

CONFERENCE ANNOUNCEMENT

BAIL IV

The Fourth International Conference
on Boundary and Interior Layers-
Computational and Asymptotic Methods

7-11 July 1986
in
Novosibirsk, USSR

Hosted by the Siberian Branch of the
USSR Academy of Sciences

Chairman: Professor S.K. Godunov
Institute of Mathematics, Siberian Branch of the USSR Academy of Sciences,
Novosibirsk, USSR

Co-Chairman: Professor J.J.H. Miller
Numerical Analysis Group, Trinity College, University of Dublin, Ireland

A formal First Announcement and Call for Papers will be
made in due course by the Siberian Branch of the USSR Academy
of Sciences in Novosibirsk.

Registration for participants from all non-socialist
countries will be handled by the BAIL Secretariat in Dublin.
Attendance from non-socialist countries is limited to a maximum
of 80 participants, so early registration is advisable.   If
you are interested in attending, please contact the address
below without delay.   Participants from socialist countries
should contact Novosibirsk directly.

Before BAIL IV you may attend the 10th ICNMFD in BEIJING
and then travel to NOVOSIBIRSK by rail via MONGOLIA.   For more
details read on:

The dates of the BAIL IV Conference have been harmonised with
those of the 10th International Conference on Numerical Methods

of Fluid Dynamics, 23-27 June 1986, in Beijing.   Participants
are thus enabled to enjoy a short post-conference tour of China
and then travel by rail from Beijing to Novosibirsk, departing
Wednesday, 2nd July and arriving Saturday, 5th July.   It is
proposed that participants from Western Europe fly as a group
to Moscow and then onwards to Novosibirsk in order to avail of
economical air fares.   In addition, it is expected that an-
other group will travel by train from Beijing to Novosibirsk.
If sufficient interest is shown, a group may also be organised
to fly from Western Europe to Beijing.   Further information
about these travel arrangements may be obtained from the BAIL
Secretariat in Dublin.

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