ondon Mathematical Society Durham Research Symposium

Applications of Sheaf Theory to Logic, Algebra and Analysis

PROGRAMME

In this combined list the invited lectures, shorter contributions, nd talks in the discussion groups are listed roughly in order of resentation.

IRST WEEK

. Gray : Fragments of the history of sheaf theory.
. Gray : An introduction to sheaves.
.J. Mulvey : The language of sheaves.
. Takeuti : Boolean-valued analysis. (Three lectures)
.H. Hofmann : Banach bundles. (Two lectures)
.S. Scott : Sheaves over Heyting algebras. (Two lectures)
.C. Wraith : Toposes with group actions.
.C. Wraith : Sheaf Cohomology.
. Reyes : Models in sheaves. (Two lectures)
. Coste : Spectra and admissible morphisms.
. Jozsa : Sheaves in physics.
. Tierney : Elementary topoi. (Two lectures)
. van Dalen : Intuitionistic principles.
. Aczel : Kinds of constructivity.
. Hyland : Intuitionist's continuity.
.P. Fourman : The logic of topoi.
.W. Lawvere : The logic of mathematics.

Contents