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Complete Intersections

Lectures given at the 1st 1983 Session of the
Centro Internazionale Matematico Estivo (C.I.M.E.)
held at Acireale (Catania), Italy, June 13–21, 1983

Edited by S. Greco and R. Strano



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INTRODUCTION

This volume contains the proceedings of the CIME session on Complete Intersections held in Acireale (Catania, Italy) during the period 13-21 June, 1983.

The aim of the session was to present some ideas and techniques from Commutative Algebra, Algebraic Geometry and Analytic Geometry in connection with some problems on Complete Intersections.

The main courses were delivered by O. Forster, R. Lazarsfeld, L. Robbiano and G. Valla. The material developed in the lectures by Forster, Robbiano and Valla has been reshaped by the lecturers for these proceedings; the subject of Lazarsfeld's course is available elsewhere, hence the paper by Lazarsfeld included here contains some further developments and related topics, along with references for the lectures.

The volume contains also a number of original papers, chosen among the ones submitted for the proceedings.

Some of the results were announced during the meeting in special lectures delivered by C. Ciliberto, R. Froberg, S. Kleiman, D. Laksov, P. Valabrega, K. Watanabe.

We wish to thank all the contributors and participants, and the many referees for their collaboration. Our thanks must go also to the CIME for giving us the opportunity to have a meeting on this topic.

Silvio Greco
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C.I.M.E. Session on "Complete Intersections"

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