
É. Cartan

Œuvres Complètes

1984. 3 portraits. Environ 4750 pages.

(En quatre volumes, non livrable séparément)

Relié DM 295,—

Paris: Éditions du Centre National de la Recherche Scientifique

ISBN 3-540-13629-0

7402/5/1

The Complete Works of Élie Cartan, originally published in 1952, were out of print for several years but have now been reissued as a 4-volume set.

Élie Cartan's work is, by virtue of its depth, its variety and its great originality, increasingly being recognised as a turning point in the evolutionary history of geometry, and its far-reaching consequences are not yet completely explored. Many contemporary geometers still draw their inspiration from reading Cartan's work.

Many of the concepts Élie Cartan introduced have spread their impact to other areas of mathematics. The geometry of bundles, for instance, has established itself as a classical topic, especially since the development of gauge theory in theoretical physics has made it the framework for the study of particle interactions. The role played by transformation groups in the understanding of geometric problems has been confirmed. Many aspects of Riemannian geometry have also penetrated areas such as topology and group theory. The current interest in non-linear pde's is drawing attention back to Cartan's development of the subject.

The three parts of the Complete Works correspond to three different subject areas: I. Lie groups, II. algebra, differential systems and the equivalence problem, III. geometry and other topics. They collect together all his research articles, but not monographs or correspondence. However they do also include a report on his work written by Élie Cartan himself in relation with his candidacy to the French Academy of Sciences. This new edition also features the Obituaries for Élie Cartan written by S. S. Chern and C. Chevalley for the American Mathematical Society, and by H. Whitehead for the Royal Society.



Springer-Verlag
Berlin
Heidelberg
New York
Tokyo

Tiergartenstr. 17, D-6900 Heidelberg 1,
175 Fifth Ave., New York, NY 10010, USA,
37-3, Hongo 3-chome, Bunkyo-ku,
Tokyo 113, Japan

Communications in
**Mathematical
Physics**

Chief Editor A. Jaffe, Cambridge, MA

Editorial Board H. Araki, Kyoto
M. E. Fisher, Ithaca, NY
J. Fröhlich, Zürich
R. Haag, Hamburg
S. Hawking, Cambridge
O. Lanford, Bures-sur-Yvette
J. L. Lebowitz, New Brunswick, NJ
G. Mack, Hamburg
J. Mather, Princeton, NJ
L. Nirenberg, New York, NY
K. Osterwalder, Zürich
G. Parisi, Roma
B. Simon, Pasadena, CA
Ya. G. Sinai, Moscow
T. Spencer, New York, NY
S.-T. Yau, LaJolla, CA

Advisory Board M. F. Atiyah, Oxford
A. Connes, Bures-sur-Yvette
G. 't Hooft, Utrecht
I. Singer, Cambridge, MA
C. N. Yang, Stony Brook, NY

Responsible for Advertisements

Springer-Verlag
Printers:
Printed in Germany

E. Lückermann, G. Sternberg, Kurfürstendamm 237, D-1000 Berlin
Telephone: (0 30) 8 82 10 31, Telex 01-85 411
Berlin Heidelberg New York Tokyo
Brühlsche Universitätsdruckerei, Giessen
© Springer-Verlag Berlin Heidelberg 1984
Springer-Verlag GmbH & Co KG 1000 Berlin 33