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***Bonilla y Asociados***  
*desde 1950*



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**Sinopsis**

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Hans Freudenthal (1905-1990) was a Dutch mathematician, born in Luckenwalde, Germany. His scientific activities were of a rich variety. Enrolling at the University of Berlin as a student in the 1920s, he followed in the footsteps of his teachers and became a topologist, but with a lively interest in group theory. After a long journey through the realm of mathematics, working on almost all subjects that drew his interest, he turned toward the practical and methodological issues of the didactics of mathematics.

The present Selecta are devoted to Freudenthal's mathematical oeuvre. They contain a selection of his major contributions, including his fundamental contributions to topology such as the foundation of the theory of ends (in the thesis of 1931) as well as the introduction (in 1937) of the suspension and its use in stability results for homotopy groups of spheres. In group theory there is work on topological groups (of the 1930s) and on various aspects of the theory of Lie groups, such as a paper on automorphisms of 1941. From the later work of the 1950s and 1960s, papers on geometric aspects of Lie theory (geometries associated to exceptional groups, space problems) have been included.

Freudenthal's versatility is further demonstrated by selections from his foundational and historical work: papers on intuitionistic logic and topology, a paper on axiomatic geometry reappraising Hilbert's Grundlagen, and a paper summarizing his development of Lincos, a universal ("cosmic") language.

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Table of Contents

Biographical note

Ph.D. students of Hans Freudenthal

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Über die Enden topologischer Räume und Gruppen  
Einige Sätze über topologische Gruppen  
Topologische Gruppen mit genügend vielen fastperiodischen Funktionen  
Teilweise geordnete Moduln  
Über die Friedrichssche Fortsetzung halbbeschränkter Hermitescher Operatoren  
Zum intuitionistischen Raumbegriff  
Zur intuitionistischen Deutung logischer Formeln  
Entwicklungen von Räumen und Gruppen  
Alexanderscher und Gordonscher Ring und ihre Isomorphie  
Zum Hopfschen Umkehrhomomorphismus  
Über die Klassen der Sphärenabbildungen. I. Große Dimensionen  
Die Topologie der Lieschen Gruppen als algebraisches Phänomen  
Simplizialzerlegungen von beschränkter Flachheit  
Über die Enden diskreter Räume und Gruppen  
Oktaven, Ausnahmegruppen und Oktavengeometrie  
Sur le groupe exceptionnel  $E_7$   
Sur des invariants caractéristiques des groupes semi-simples  
Sur le groupe exceptionnel  $E_8$   
Zur ebenen Oktavengeometrie  
Beziehungen der  $E_7$  und  $E_8$  zur Oktavenebene I  
Beziehungen der  $\mathfrak{E}_7$  und  $\mathfrak{E}_8$  zur Oktavenebene II-XI  
Zur Berechnung der Charaktere der halbeinfachen Lieschen Gruppen I-III  
Neuere Fassungen des Riemann-Helmholtz-Lieschen Raumproblems  
Grundzüge eines Entwurfes einer kosmischen Verkehrssprache  
Zur Geschichte der Grundlagen der Geometrie  
Zur Klassifikation der einfachen Lie-Gruppen  
Symplektische und metasymplektische Geometrien  
Bericht über die Theorie der Rosenfeldschen elliptischen Ebenen  
Das Helmholtz-Liesche Raumproblem bei indefiniter Metrik  
Lie groups in the foundation of geometry  
Comments  
Acknowledgements  
Bibliography