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Abstracts of Plenary and Invited Lectures

Section:

6. Topology

1991 MS Classification: 55
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Lie groups and p-compact groups

A *p-compact group* is the homotopical ghost of a compact Lie group; it is the residue that remains after the geometry and algebra have been stripped away. This talk will sketch the theory of p-compact groups, with the intention of illustrating the fact that many classical structural properties of compact Lie groups depend only on homotopy theoretic considerations.