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Markus Stroppel

Locally Compact Groups



European Mathematical Society

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Cover: The stones of the wall represent the fundamental building blocks in the theory of locally compact groups: finite (and thus compact) groups, and connected Lie groups (including the additive group of real numbers, and linear groups over the reals).

From these blocks, general locally compact groups are built using constructions like cartesian products and projective limits. The commuting diagram describes a projective limit, thus indicating a concept central to the theory discussed in the book.

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