# The Annals of Probability

## Articles

# GROUP INVARIANCE APPLICATIONS IN STATISTICS

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These lecture notes result from the CBMS/NSF Regional Conference held at the University of Michigan in June 1987. Topics in invariance with applications in statistics are discussed in nine chapters—including integrals and the Haar measure, group actions and relatively invariant integrals, invariant statistical methods, models invariant under compact groups, decomposable measures, invariant decision problems, random orthogonal matrices, finite deFinetti style theorems, and finite deFinetti style theorems for linear models.