

The Oliver Club

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Infinite-Dimensional Groups Versus Locally Compact Groups: Some Recent Trends

Typical “infinite-dimensional” groups include unitary groups of Hilbert spaces and of operator algebras, groups of homeomorphisms, groups of measure and measure-class preserving transformations, etc. Does one expect their properties to be generalizations of those of classical locally compact groups, or, on the contrary, to go in the opposite direction? The answer is, neither. We will survey some recent general trends in the theory of “infinite-dimensional” groups, in order to show that in many aspects, their properties go in an “orthogonal” direction to the classical theory of locally compact groups.



Thursday, November 20, 2008
at 4:25 PM in 406 Malott Hall

Refreshments will be served at 3:55 PM in the Mathematics Department lounge (532 Malott Hall).