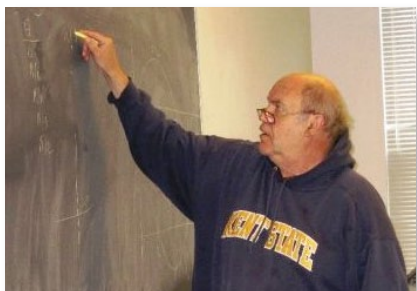


Haar measure

A short course via Access Grid



Professor Joe Diestel
Kent State University

Hosted by CARMA in its Access
Grid Room at the University of
Newcastle



Times

Lectures will be on Thursday afternoons from 1:00 to 2:00pm with the possibility of some extending for an extra hour to 3:00pm in the AGR at the University of Newcastle.



Outline

Lecture 1	2 sessions, Thursday 1:00pm August 26 2010 1st: an introduction to topological groups, peculiarities and important features, 2nd: von Neumann's proof of Existence and Uniqueness of a Haar measure in compact groups.
Lecture 2	Applications, Thursday 1:00pm September 2, 2010 1st: measures in homogeneous spaces, 2nd: translation invariant summing operators on $C(G)$, G compact.
Lecture 3	Further applications, Thursday 1:00pm September 16, 2010 1st: representation theory and orthogonality relations, 2nd: Milman's theorem (re: Dvoretzky's Spherical Sections theorem)
Lecture 4	Other proofs of existence, September 23, 2010 Banach, Maak, martingales.
Lecture 5	What's so in: Thursday October 7, 2010 General locally compact groups, locally compact metrizable groups, Polish, non-locally-compact groups.

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