Lie Groups

Greneralizing Endoscopic Transfer - David Voyan

- S, Introduction
- Automorphic Forms, endoscopic transfer relates to Laugian d, trying to generalize
- Approach is study representations of reductive algebraic G
- · Engascopic transfer: take our may representations of larger and
- Local Languages Consectue: annintic rep through the of G(x) a city geom of (G(x)
- S. L- Groups
- S, Parameters
- Weil Deligne group
- · Langlands Paramete : map from Weil-Deligne group to ... ot group
- Langlands: Representation Theory ~ Abjeviaic Geometry
- Sy Endoscopy
- Mapping representations of groups via early anear Perverse Sheaves
- & Examples

Lie Group: a material structure that 1:15 the definition of both a group and a smooth munifold.

Real Groups, Reductive Group

P-adic

Symplectic group

Runk?

Duality - nomeonorphisms into 2

Latice

Algebraic openness vs closed

A CALEBRATE OF

Galoit group

Based root dutum

Action

Extension

Chas/ Inner- Clus

Inertice Group

Split/Quesi-Split

L-Packet

Variety (in context: complex algebraic variety)

Conjugation

Identity was

Map

PHILLIPIAIT

'Over' .. Field? (over K seems significant)

Pokut/N:1 potent

Ovbits

Reduction

Econivariat perverse sheaves

Trucye

Dual group

Support

Simplicity, sewi-simplicity

Centralization

Normalization