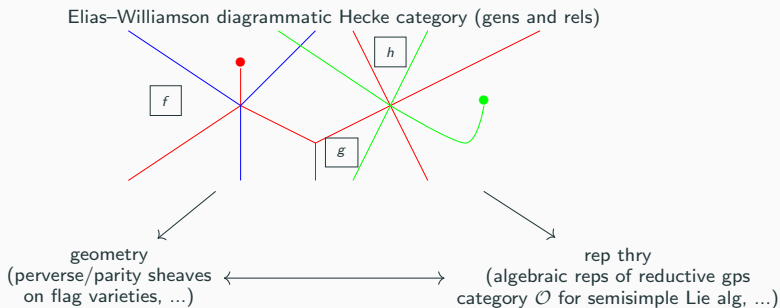
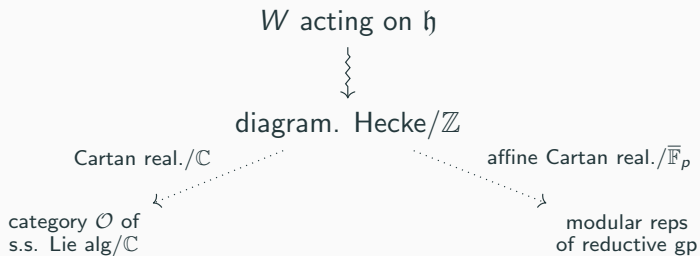


Shotaro Makisumi (Macky), Columbia University, postdoc in GRTA

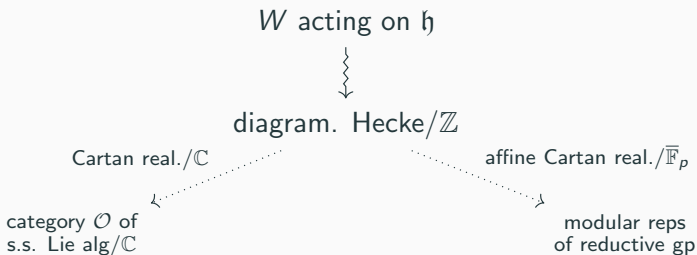
Geometric/diagrammatic methods in representation theory



Schematic

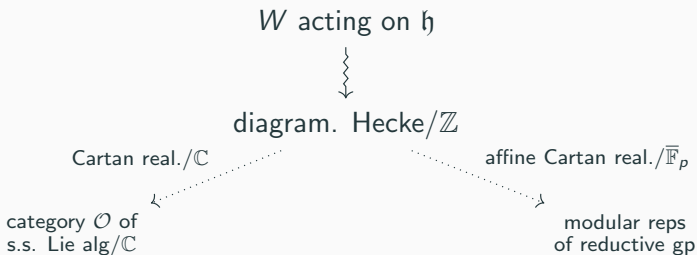


Schematic



- can define endofunctors, derived equiv at diagrammatic level
 \rightsquigarrow new results/ $\overline{\mathbb{F}}_p$ (char formula involving p -**Kazhan–Lusztig basis**, new techniques/ \mathbb{C})

Schematic



- can define endofunctors, derived equiv at diagrammatic level
 \rightsquigarrow new results/ $\overline{\mathbb{F}}_p$ (char formula involving p -**Kazhan–Lusztig basis**, new techniques/ \mathbb{C})
- symmetry in knot homology? p -KL cells?