

Symmetric structures in the Bruhat order

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This is joint work with Christian Gaetz

The Bruhat order encodes algebraic and topological information of Schubert varieties in the flag manifold and possesses rich combinatorial properties. In this talk, we discuss some interrelated stories regarding the Bruhat order and in particular, regarding the smooth permutations, including self-dual Bruhat intervals, vertex-transitive elements, minimal exponents in the Kazhdan-Lusztig polynomials and Billey-Postnikov decompositions.

References

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