

GRADUATE SEMINAR

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Schurian Association Schemes Arising from Abstract Regular Polytopes

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2:00 PM

Zoom

Abstract: The objective of this seminar is to address Schurian association schemes arising from a string Coxeter group G . I will talk about the problem of when the Schurian association scheme $\mathbb{C}[G//H]$ generated by the double cosets of G with respect to a vertex stabilizer subgroup H is commutative. I will show that this is the case for every finite string Coxeter group except one case in type H_4 , and for the infinite string C -groups with Schäfi type $\{4, 4\}$ and $\{3, 6\}$.

