Coxeter Groups and Schlafli Matrix

Horold Scott Macdonald Coxeter introduced the coxter groups as a generalization of reflection groups, in 1934. To define these groups, he gave the concept of coxter matrix and coxter diagram.

In this talk, I will give a brief introduction of the group with the help of some interesting examples, I will come out with the notion of Schlafli matrix and how they are useful in case of coxter groups.

Muhammad Ameer Hamza
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Abdus Salam School of Mathematical Sciences GCU, Lahore.