

Number Theory & Combinatorics Seminar

Mathematics & Computer Science

Weekly Seminar

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*Introduction to vertex-transitive
graphs of prime-power order*

Abstract:

A graph is "vertex-transitive" if its automorphism group acts transitively on the set of vertices. (In other words, every vertex looks exactly like all of the other vertices.) Such graphs can be very complicated in general, but we will use some group theory to see that they are easy to describe when the number of vertices is assumed to be prime. There are similar results when the number of vertices is the square or cube of a prime, but larger powers are harder to understand.

Monday—4 March 2013

Room: E575

Time: 12:00—12:50 pm

For future seminars in this
series, visit the seminar page at:

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EVERYONE WELCOME!