

# Seminarium geometrów

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## **Groups containing expanders**

Abstract: I will present a construction of graphical small cancellation groups whose Cayley graphs contain isometrically an expanding family of graphs. In comparison, the so-called ‘Gromov monsters’ contain expanders only in a weak sense. The construction leads to other new, exotic examples of groups, e.g. to non-exact a-T-menable groups, and residually finite non-exact groups.