



SEMINARIUM MATEMATYKA DYSKRETNA

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FIXED ELEMENTS OF TREES AND SCATTERED TREES

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Thirty years ago Polat and Sabidussi proved that any infinite tree not containing a ray has a fixed vertex or a fixed edge, and that the same holds for scattered trees, that is, trees that do not contain a subdivision of the dyadic tree, if they have at least three ends of maximal order.

This talk sketches the proof, describes some of its consequences, in particular to the tree alternative conjecture of Bonato and Tardif, and a recent result about the asymmetrization of trees with given motion.