# Covering constructions in the degree-diameter and degree-girth problems revisited

Jozef Širáň

Slovak University of Technology, Bratislava, Slovakia

A considerable proportion of the largest currently known graphs of given degree and diameter, and the smallest known graphs of given degree and girth, have been or can be obtained as lifts of small base graphs with voltages in groups with a fairly simple structure. In the talk we will revisit such constructions and outline open problems in this area of research.