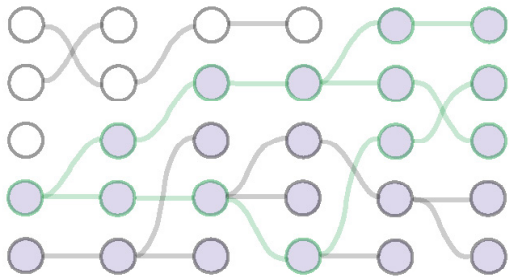


Monday 20 February 2023

Magnus-Haus Berlin



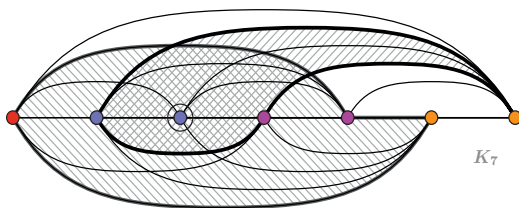
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12:00 Maite Wilke Berenguer *(HU Berlin)*

Mathematical Population Genetics

Mathematical Population Genetics resulted from trying to elevate biology to the standards of the physical sciences by basing it on mathematical modeling and empirical testing. Maite Wilke Berenguer will introduce one of the basic models – the Wright-Fisher model – and use it to illustrate the typical problems and objects studied in this field as well as the techniques and strategies to tackle them.

Maite Wilke Berenguer is a junior professor of Interdisciplinary Mathematics at HU Berlin. She obtained her PhD at TU Berlin and was a junior professor at the Ruhr-University Bochum before returning to Berlin. ▲



© "Tverberg's Theorem at 50: Extensions and Counterexamples", Notices of the AMS, August 2016, Imre Bárány, Pavle Blagojević and Günter M. Ziegler

12:30 Pavle Blagojević *(FU Berlin)*

Unexpected beauty of connections

The beauty of mathematics lies in its connections which spread within and among its areas branching widely into other sciences and domains of human life. In this talk, Blagojević will present several famous problems and in parallel various mathematical theories, and then jointly play "connecting the dots" — from problems to solutions via theories, expecting many surprises along the way. .

Pavle Blagojević is professor of Mathematics, part of the research group in Discrete Geometry and Topological Combinatorics at FU Berlin, and a member of the Mathematical Institute SANU. ▲