

VCU Discrete Mathematics Seminar

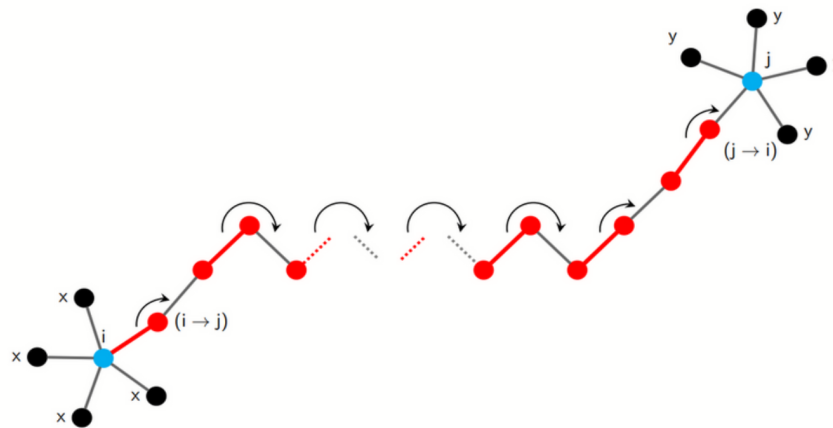
A combinatorial description of Drazin inverse of trees

**Prof Daniel Jaume,
Universidad Nacional de San Luis &
VCU!**

Wednesday, Sept. 19

1:00-1:50

4145 Harris Hall



Since 1990 it is known that the matching structure of a nonsingular tree T (i.e. its adjacency matrix is nonsingular) gives us a way to compute any coefficient of the inverse its adjacency matrix. What about singular trees? In 2017, Sota and Jaume showed that the matching structure of any tree, singular or nonsingular, gives a way to compute any coefficient of the Drazin (group) inverse of the adjacency matrix of the tree. This talk should be accessible to undergraduates (Linear algebra and graph theory 001)

For the DM seminar schedule, see:

<http://www.people.vcu.edu/~dcranston/DM-seminar>