

Monday, October 17, 2016, 4:00 pm

COLLOQUIUM TALK

Speaker: Max Alekseyev (GWU)

Old Main 2231

Transfer-Matrix Method as a Combinatorial Hammer: Enumeration of Silent Circles, Graph Cycles, and Seating Arrangements

Abstract:

I will discuss application of the transfer-matrix method to a variety of enumeration problems concerning the party game “silent circles”, Hamiltonian cycles in the antiprism graphs, simple paths/cycles in arbitrary graphs, and generalized menage problem. While this method does not always lead to nice formulas, it often provides an efficient way of computing the corresponding quantities.

This time the talk will start at 4 pm exactly, not at 4:10 pm, since the speaker must leave immediately after the talk. He will be available for informal discussions with students at the Computer Science Lab starting from 2:30 pm.

SNACKS IN FACULTY LOUNGE AT 3:30 PM.
EVERYONE WELCOME (EVEN IF YOU ARE UNABLE TO ATTEND THE TALK)
