Graph Fall-colouring: Operators and Heredity

Christodoulos Mitillos

Department of Applied Mathematics, Illinois Institute of Technology, Chicago, IL 60616
cmitillo@hawk.iit.edu

A fall-colouring is a partition of the vertices of a graph into independent dominating sets. In this talk, we will briefly look at the effect of various operators (both binary and unary) on the fall-colourability of graphs. We will also present a new NP-complete problem in fall-colouring.