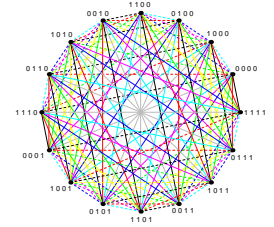


**Jointly Organized by  
School of Computer Science and  
Department of Mathematics and Statistics**



November 6 (Wednesday), 17:00 – 18:00, Burnside Hall 1205

**Circular chromatic number of weighted graphs and digraphs**

by

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Abstract. The notion of the circular chromatic number is a natural refinement of the usual chromatic number. A generalization of this concept to graphs with edge-weights will be presented which naturally links the chromatic graph theory to several other, seemingly unrelated areas, e.g., the travelling salesman problem. An interesting special case is also a new notion of the chromatic number of a digraph whose main properties will be presented in some more depth.

Organizers: D. Avis(CS), W. Brown(Math), D. Bryant(CS/Math), L. Devroye(CS), K. Fukuda(CS), B. Reed(CS), V. Rosta(Math), G. Toussaint(CS) and S. Whitesides(CS).  
Information: <http://www.cs.mcgill.ca/~fukuda/semi/discmath.html>