

COMBINATORICS SEMINAR

Monday, June 10, 2013 @1pm

Hume 331

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Genus and Other Graph Invariants

ABSTRACT:

The minimal non-embeddable graphs for the torus are unknown (numerous). It may be a good approach to break the toroidal graphs into tractable subclasses and find obstructions or some characterizations for each subclass. Those subclasses can be: H -minor free toroidal graphs with a small graph H , or the classes having the same number for some graph invariants including non-orientable genus, thickness, outerthickness, or possibly the essential curve number for toroidal graphs, which will be introduced in this talk.