

Department of Applied Mathematics, University of Waterloo

GRADUATE STUDENT SEMINAR

NEW DATE: WEDNESDAY, FEBRUARY 8TH, 2012
NEW TIME: 15:30 – 16:30; MC 5136



Arithmetic, geometric and harmonic means for
accretive-dissipative matrices
- Minghua Lin, PhD Candidate -



The notion of Loewner (partial) order for general complex matrices is introduced. A square complex matrix is accretive-dissipative if both of its real and imaginary part are positive definite. After giving the definition of arithmetic, geometric and harmonic means for accretive-dissipative matrices, we study their basic properties, in particular, A-G-H mean inequality is established for two accretive-dissipative matrices in the sense of this extended Loewner order.



PIZZA, SOFT DRINKS, AND SNACKS PROVIDED
COURTESY OF THE DEPARTMENT



Interested in Giving a talk or guiding a discussion?

Dates Available: Feb. 20th, Mar. 5th

Other dates available upon request.



Questions, Comments, and Interest can be directed to
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