

NUMBER THEORY SEMINAR

Classical Exponents of Diophantine Approximation

Johannes Schleisnitz

University of Ottawa

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WHERE: Chase 319

ABSTRACT:

This talk is about approximation to successive powers of a real number by rational numbers with the same denominator. The quality of the approximation is compared to the size of the denominator. We also study several variations of the above problem, in terms of classical exponents of Diophantine approximation. We discuss open questions like Wirsing's problem concerning approximation to real numbers by algebraic numbers of degree at most n , for a given integer n .

Any questions, please e-mail: rnoble@mathstat.dal.ca.