



*Institute of Mathematical Research
Department of Mathematics*

COLLOQUIUM

The role of probability in discrepancy theory

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Abstract

Many upper bound arguments in discrepancy theory involve the use of probability theory in some way. We are really interested in understanding what the random variables bring about. We shall attempt to achieve this by looking at a few examples where probability is used, as well as an instance where one can dispense with its use. The ultimate goal is to convince the audience that “independence” and “orthogonality” have very much the same meaning (or effect) in the context of discrepancy theory.

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| Date: | February 20, 2014 (Thursday) |
| Time: | 4:00 – 5:00pm |
| Place: | Room 210, Run Run Shaw Bldg., HKU |

All are welcome