

## **Rafał Łatała**

### **Probabilistic properties of log-concave vectors - more questions than answers**

I plan to discuss the following (possible overlaps with Bo'az course should be fixed later):

1. generic chaining (Talagrand) techniques with applications to problems related to asymptotic convex geometry
2. various conjectures for log-concave measures related to concentration inequalities (infimum convolution inequality and its possible consequences)
3. partial results confirming these conjecture might be true at least under the symmetry assumptions.