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Título
Shearer's inequality and the Infimum Rule

Abstract:

We review subbadditivity properties of Shannon entropy, in particular, from the Shearer'€ s inequality we derive the € infimum ruleâ€ for actions of amenable groups. We briefly discuss applicability of the € infimum formula to actions of other groups. Then we pass to topological entropy of a cover. We prove Shearer'€ s inequality for disjoint covers and give counterexamples otherwise. We also prove that, for actions of amenable groups, the supremum over all open covers of the € infimum fomula gives correct value of topological entropy. Joint work with Tomasz Downarowicz and Bartosz Frej.

Martes 25 de Octubre a las 16:30 hrs, Sala de Seminarios Alan Turing, Séptimo Piso, Torre Norte de Beauchef 851

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