

COLOQUIOS DE MATEMÁTICA

“Mark Kac’s model and approach to equilibrium in the Gabetta-Toscani-Wennberg metric d_2 ”

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Resumen: In 1956, Kac introduced a model with $N \gg 1$ particles undergoing binary collisions, with the aim of deriving a Boltzmann-type equation. His model is ergodic. In this talk, I will introduce Kac’s model, and use the Fourier based d_2 metric to show equilibration, and to provide states which initially “resist” approaching equilibrium for time of order 1.

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15:00 horas

AUDITORIO ALAMIRO ROBLEDÓ HERRERA

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