



Σεμινάριο Μαθηματικής Ανάλυσης Γεώργιος Μ. Γεωργανόπουλος

Poincaré and Logarithmic Sobolev inequalities on Lie groups

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Περίληψη: We will first discuss our results on (global) Poincaré inequalities for probability measures on graded Lie groups. Then we present a number of logarithmic inequalities on several classes of Lie groups, including our version of the Gross log-Sobolev inequality (with respect to a Gaussian, on the first stratum of the group, measure) which is shown in the setting of stratified Lie groups. In the end, we discuss some applications of these inequalities. The talk will be based on joint works with S. Federico, B. Zegarlinski, A. Kassymov and M. Ruzhansky.

Δευτέρα 25 Ιουλίου 2022, 12:15 - 13:00.

Αίθουσα M2, Τμήμα Μαθηματικών

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