
Barcelona Analysis Seminar **2022–2023**

URL. <https://mat.uab.cat/web/seminarianalisi/>

Date. October 6, 2022

Time. 15:00 CET

Room. B3 (Universitat de Barcelona)

Online streaming (Zoom). [Click here to join.](#)

Functionals that are maximized by reproducing kernels and applications

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We show that several convex functionals are maximized by reproducing kernels in the Fock space, the Bergman space and spaces of polynomials in the sphere. This provides elementary proofs of several instances of the Lieb conjecture about the Wehrl entropy of coherent states.