

Compactness criteria for the resolvent of the Fokker-Planck operator

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Abstract. In this paper we study the spectral property of a Fokker-Planck operator with potential. By virtue of a multiplier method inspired by Nicolas Lerner, we obtain new compactness criteria for its resolvent, involving the control of the positive eigenvalues of the Hessian matrix of the potential.

Mathematics Subject Classification (2010): 35H10 (primary); 47A10 (secondary).