

WEGNER ESTIMATE FOR GAUSSIAN RANDOM MAGNETIC
FIELDS

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For the 2-dimensional Schrödinger operator with the magnetic field which is a sample path of a stationary Gaussian random field, a Wegner type estimate applicable for the proof of the Anderson localization is stated. It is also explained that the proof is given by referring a recent method by Erdős and Hasler, and the theory of the Malliavin calculus.