

THE GREEN FUNCTION OF AN ELECTRON
IN CONSTANT HOMOGENEOUS MAGNETIC
FIELD AND ARBITRARY FLAT WAVE FIELD

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S u m m a r y

The Green function of an electron in the external field, which is the totality of a constant homogeneous magnetic field \mathbf{H} and an arbitrary periodic flat wave field, is found in the case where a wave propagates along \mathbf{H} .