

Abstract Submitted
for the MAR12 Meeting of
The American Physical Society

Interference effect in magneto-oscillations in two-dimensional system under bichromatic irradiation QIANHUI SHI, University of Minnesota, MAXIM KHODAS, University of Iowa, MICHAEL ZUDOV, University of Minnesota — We report on the studies of magneto-oscillations caused by bichromatic irradiation in perpendicular magnetic field. Using quantum kinetic method, we have studied the case of ω , 2ω , and the case of ω , 3ω frequencies. In the latter case the interference part is shown to produce a phase-sensitive contribution. Also, the final answer depends on the polarizations of the two waves.

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Date submitted: 11 Nov 2011

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