



**GELLER'S HARMONIC ANALYSIS ON  
THE HEISENBERG GROUP**

M. E. Egwe and U. N. Bassey

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**Abstract**

This paper presents an appendix to the fundamental work of Geller on Fourier analysis on the Heisenberg group. It highlights Geller's version of harmonic analysis (that is, the Riemann-Lebesgue lemma, Fourier Inversion theorem, and the Plancherel theorem) on the group and contains, among other things, a result on the estimate of the size of the Fourier transform of Schwartz function on the group.

**Keywords and phrases:** Fourier transform, Heisenberg group, Schwartz space.