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Martin Luu* (mluu@math.ucdavis.edu). *Local Fourier transforms and Langlands dualities.*

Laumon's l -adic local Fourier transform has been instrumental in understanding the structure of local Langlands parameters. An example is Henniart's proof of the numerical local Langlands correspondence. Bloch and Esnault have introduced a geometric version of Laumon's transform and I will explain how this allows to understand some aspects of local geometric Langlands parameters and related questions concerning integrable systems. (Received August 29, 2016)