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Kimball Martin* (kmartin@math.ou.edu), Norman, OK 73019, and **Nahid Walji**, Zurich, Switzerland. *On refined refinements of strong multiplicity one.*

Strong multiplicity one, say for general linear groups, essentially says that two cuspidal automorphic L-functions are equal if and only if almost all local factors are equal. The refined strong multiplicity one conjecture of Ramakrishnan (a theorem for degree 1 and 2) predicts how many (in the sense of density) local factors one should need to check. The bound in Ramakrishnan's conjecture should be sharp for certain imprimitive L-functions. We discuss some preliminary work on studying this problem for primitive L-functions. (Received August 19, 2016)