1041-20-94   **Monica Nevins*** (`mnevins@uottawa.ca`), Department of Mathematics and Statistics, University of Ottawa, 585 King Edward Ave, Ottawa, ON K1N 6N5, Canada. *Branching Rules for Supercuspidal Representations of SL(2).* Preliminary report.

The supercuspidal representations of SL(2,k), where k is a p-adic field, have a succinct description as compactly induced representations. We consider the restriction of these representations to maximal compact subgroups of SL(2,k), the decomposition of which further reveals the internal structure of the supercuspidals. This work is part of an ongoing project; it is a continuation of previous work of the author on principal series representations of SL(2,k), as well as work of the author and Peter Campbell (Bristol) on principal series representations of GL(3,k). (Received August 05, 2008)