1043-20-42   **Monica Nevins*** (`mnevins@uottawa.ca`), Department of Mathematics and Statistics, University of Ottawa, 585 King Edward Ave, Ottawa, ON K1N 6N5, Canada. *Restrictions of Supercuspidal Representations to Maximal Compact Subgroups: the Case of SL(2).* Preliminary report.

Restricting representations of real Lie groups to their maximal compact subgroups reveals a great deal of the structure of these representations and leads to excellent results in their classification and construction. For p-adic groups one expects a Lefschetz principle to apply: same clues and insight into internal structure, although by very different means. In this talk we discuss recent work on branching rules of supercuspidal representations of SL(2). This work is part of an ongoing project of the author, and in particular completes the study of branching rules of irreducible representations of SL(2). (Received August 05, 2008)