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Monica Nevins* (mnevins@uottawa.ca), Department of Mathematics and Statistics, 585 King Edward Ave., Ottawa, ON K1N 6N5, Canada. *Some irreducible representations of $SL(2, O)$, where O is the integer ring of a p -adic field.* Preliminary report.

The restriction of an irreducible representation of $SL(2, k)$ to the maximal compact subgroup $SL(2, O)$ is far from irreducible, but its decomposition into irreducibles is multiplicity-free. We report on recent progress on the problem of how families of irreducibles of $SL(2, O)$ arise in this way. (Received September 21, 2009)