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186 University Hall, 230 North Oval Mall, Columbus, OH 43210. *Using types and lattice models to  
relate theta-correspondences.*

The Weil representation can be used to parametrize representations of one group in terms of already known representations of another group using Howe's theory theta-correspondences. In the p-adic case one can also construct representations using the theory of types. The theory of lattice models of the Weil representation can be used to explicitly realize the representations attached to groups in theta-correspondences via types as has been illustrated, for example, in my work over the years. In this talk I will discuss how my techniques can also be used to study the relation between various theta-correspondences. I will illustrate this in the case of quadratic base change for  $SL(2)$ . (Received September 17, 2013)