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Peter E Trapa* (ptrapa@math.utah.edu), Department of Mathematics, University of Utah, Salt Lake City, UT 84112-0090. *Signatures of invariant forms on Harish-Chandra modules.*

I will explain a few of the key ideas behind the computation of the unitary dual of a reductive Lie group given in a recent preprint with Adams, van Leeuwen, and Vogan. Some of these ideas have inspired geometric counterparts in the setting of equivariant mixed Hodge modules on the flag variety. (Received February 17, 2013)