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Title: A user's guide to the trace formula for covering groups

Abstract:

The Arthur-Selberg trace formula for reductive groups has been one of the main tools to study Langlands' conjectures. However, the full trace formula in its invariant or even stable form remains somehow esoteric, let alone its generalization to covering groups such as $\mathrm{Mp}(2n)$. In this talk, I will try to discuss some of the inner details and indicate the necessary modifications for coverings. If time permits, some concrete examples will be given.