

La formule des traces pour les revêtements de groupes réductifs connexes. II. Analyse harmonique locale

Wen-Wei Li

(Submitted on 10 Jul 2011 (v1), last revised 22 Apr 2012 (this version, v2))

We establish some results in local harmonic analysis which are necessary for Arthur's invariant trace formula for coverings of connected reductive groups. More precisely, for local coverings we will study (1) the Plancherel formula and its preparations, (2) the normalization of intertwining operators subject to Arthur's conditions, (3) the local behavior of characters of admissible representations in the nonarchimedean case, and (4) the genuine part of the invariant local trace formula. As a byproduct of the invariant local trace formula, we deduce the density of tempered characters for coverings.

Comments: 70 pages, now with an index and various bug fixes

Subjects: **Representation Theory (math.RT)**

MSC classes: 11F72 (Primary), 11F70 (Secondary)

Cite as: [arXiv:1107.1865](https://arxiv.org/abs/1107.1865) [math.RT]

(or [arXiv:1107.1865v2](https://arxiv.org/abs/1107.1865v2) [math.RT] for this version)

Submission history

From: Wen-Wei Li [[view email](#)]

[v1] Sun, 10 Jul 2011 15:42:31 GMT (70kb)

[v2] Sun, 22 Apr 2012 07:23:51 GMT (69kb)

Which authors of this paper are endorsers?

Link back to: [arXiv](#), [form interface](#), [contact](#).

Download:

- [PDF](#)
- [PostScript](#)
- [Other formats](#)

Current browse context:

math.RT

[< prev](#) | [next >](#)

[new](#) | [recent](#) | [1107](#)

Change to browse by:

[math](#)

References & Citations

- [NASA ADS](#)

Bookmark (what is this?)

