Erratum to: Cohomology of Arithmetic Groups with Infinite Dimensional Coefficient Spaces cf. Documenta Math. 10, (2005) 199–216

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Abstract. A correction of an error in the proof of Lemma 5.3 is given.

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In the first paragraph of the proof of Lemma 5.3 of the above paper it is claimed that $C^\infty(G,\pi)$ is nuclear for π an irreducible admissible representation of G. This does not hold, for it implies that the subspace of constant functions, i.e., π itself, is also nuclear. Now π can be a Hilbert-representation and a Hilbert space is only nuclear if it is finite dimensional.
It was the aim of that paragraph to give a proof that π^∞ is nuclear. This can be seen as follows: First assume that π is induced from a minimal parabolic. Then π^∞ may, in the compact model, be interpreted as the space of smooth sections of a vector bundle over the compact manifold K/M. Hence π^∞ is nuclear. By the results of Casselman [10], every π^∞ may be embedded topologically into an induced representation as above, therefore is nuclear.

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