ON SIMPLICIAL COORDINATE SYSTEMS

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In a joint 2006 paper [1], E. Pedersen and I proved a certain stability result for controlled L-groups. I gave several talks and described the idea of the proof, but later I found a stupid mistake in the discussion. A corrected proof is given in the published paper, but I have not had any chances to discuss about it until today. Probably only very few people actually read the published proof, so I would like to explain about it on this ocasion. The idea is to use a coordinate system of ordered simplices coming from the iterated mapping cylinder construction rather than the barycentric coordinate system.

References

[1] E. K. Pedersen and M. Yamasaki, *Stability in Controlled L-theory*, in *Exotic homology manifolds – Oberwolfach 2003 (electronic)*, *Geom. Topol. Monogr.* **9** (Geom. Topol. Publ., Coventory, 2006) pp. 67 – 86.

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