Editors' Note on Packing Lines, Planes, etc.: Packings in Grassmannian Spaces

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In this article the authors reported, among other things, conjectural solutions to the sphere packing problem for N pairs of antipodal points, for N up to 55, giving earlier references for the cases $N \leq 6$.

Prof. Tibor Tarnai (Faculty of Civil Engineering, Department of Mechanics, Technical University of Budapest, H-1521 Budapest, Műegyetem rkp. 3, Hungary) has since brought to the Editors' attention the following relevant references.

The conjectured solutions reported for the antipodal sphere packing problem with $N = 10$, 11, 15, 16 had appeared in the literature as (mistaken) conjectural solutions to the *unconstrained* problem [Rutishauser 1945, Schütte and van der Waerden 1951, Strohmajer 1963].

The conjectural solutions reported for the antipodal problem in the cases $N = 8$, 9, and 12 were independently published also in [Tarnai and Gáspár 1996], where the authors treat the constrained case using a modified version of their heating technique developed for unconstrained packings [Tarnai and Gáspár 1983].

We thank Prof. Tarnai for these comments.

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