## CORRIGENDUM

W. A. Beyer, R. B. Roof, and Dorothy Williamson, The lattice structure of multiplicative congruential pseudo-random vectors, Math Comp. 25 (1971), 345363.

We have recently checked the lists of Minkowski-reduced bases vectors given in the above paper. Errors in the lists were found. Neither the code (written in the MADCAP language) nor the computer (MANIAC II) with which the original calculations were done any longer exist. We are not able to identify all the sources of the errors. In those lists, 100 vectors are given. Of these, 14 vectors are in error. Because there are, in the printed literature, few examples given of Minkowskireduced bases, it was thought useful to give these corrections. The following is the set of the vectors that are in error and the corrected values of the vectors.

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In Table 1, replace the first vector in dimension 6 with
    \(-366950636328620548124696628-35239772-190790060505360452\).
Replace the third and fourth vectors with the vectors
    \(314416152397005112-376884264-321772040313172376323442872\)
and
        \(-61810940-322268876-144847452-513669292-585564860456122996\).
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In Table 2, replace the second vector in dimension 5 with -6871930784 84448422240211120010556000.
Replace the second vector in dimension 6 with $6871947000-3368-16840-84200-421000-2105000$.
In Table 3, replace the fourth vector in dimension 6 with $1633136285434140921351300220-72350100-146268132346071180$.
In Table 4, replace the fourth vector in dimension 4 with -98115976 3967893623971000103528216.
Replace the fifth vector in dimension 5 with -5734448-195087344 82730320255762320312176336
In Table 5, replace all five vectors in dimension 5 with $-3433877759616756244137350932068-34316681228181140684740$, $-240373551820-17167293948171798635728585334435652421909492$, $-171358755442747165211605151026327217162974600-52585559128$, $8585113445634307359192-257553413832-10300785098469575616120$. 1202024854961373551234163979832832622689461669576416120.

Replace the third vector in dimension 6 with -343354289536 274655779968 -446385287552 154495174784 $-240447493504-623267277696$.

These corrections entail corrections in the "figures of merit" and in the cosines of lattice angles. It was not thought useful to give these corrections.
W. A. Beyer
W. W. Wood

Theoretical Division, Mail Stop B284
Los Alamos National Laboratory
Los Alamos, NM 87545

