

TABLE ERRATA 2 TO  
“FACTORS OF GENERALIZED FERMAT NUMBERS”

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ABSTRACT. We note that one more factor is missing from Table 1 in Björn–Riesel, *Factors of generalized Fermat numbers*, Math. Comp. **67** (1998), 441–446, in addition to the three already reported upon in Björn–Riesel, *Table errata to “Factors of generalized Fermat numbers”*, Math. Comp. **74** (2005), p. 2099.

Table 1 in Björn–Riesel [1] unfortunately contains four factors missing, three of which were reported upon in Björn–Riesel [2]. The fourth missing factor is

$$75 \cdot 2^{9063} + 1 \mid 7^{2^{9062}} + 2^{2^{9062}},$$

which was discovered by A. Wesolowski [3]. This prime is missing from the list of primes in Table 5 of Riesel [5]. As explained by Keller [3] the omission of this factor was due to a typo in a list of primes that was kindly provided by him for the preparation of Table 5 in [5]. The prime  $75 \cdot 2^{9066} + 1$  reported therein should have been  $75 \cdot 2^{9063} + 1$ ; cf. <http://www.prothsearch.net/riesel.html>.

Let us also take this opportunity to mention that the three numbers reported as *PRP1092*, *PRP1720* and *PRP3427* in [1] (factors of  $12^{2^{10}} + 11^{2^{10}}$ ,  $7^{2^{11}} + 3^{2^{11}}$  and  $7^{2^{12}} + 3^{2^{12}}$ , respectively), have recently been verified to be primes by J. Berg [3] (the first two) and Morain [4] (the last). For further factors of generalized Fermat numbers, beyond the search ranges in [1], see Keller’s webpage:

<http://www1.uni-hamburg.de/RRZ/W.Keller/GFNfacts.html>

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