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No “Most Wanted” numbers from the wanted lists issued with Page 145 were factored on Page 146.

One “More Wanted” number from the wanted lists issued with Page 145 was factored on Page 146. NFS@Home factored 5,467+ by the Special Number Field Sieve.

Three “Smaller-but-Needed” numbers from the wanted lists issued with Page 145 were factored on Page 146. NFS@Home factored 6,1002M and 3,715– by the SNFS, and 10,710M by the General NFS.

No new wanted lists are enclosed; but the old ones from Page 145 are updated.

ECMNET means Paul Zimmermann, Alex Kruppa, Torbjörn Granlund, Michel Quercia, Witold Grabysz, Vilmar Trevisan and many helpers who use the GMP-ECM program of Kruppa and Zimmermann. NFS@Home is a group led by Greg Childers.

There were no new champions for factoring Cunningham numbers on this page. Recall that a champion is one of the best two records in its class.

The only first hole factored on Page 146 is in # 6783. The second holes factored on Page 146 are in # 6788 and # 6792. The third holes factored on Page 146 are in # 6793 and # 6794. No fourth hole was factored on Page 146. The only fifth hole factored on Page 146 is in # 6797.

The smallest new factor reported on Page 146 has 57 digits. See # 6802. The largest number factored on Page 146 has 387 digits. See # 6802. (The same number.)

See the URL <http://www.prothsearch.com/fermat.html> for a list of all known Fermat factors.

No new Mersenne prime was found since the last page. The current largest known prime is  $2^{82589933} - 1$ . See the URL <http://t5k.org/primes/> for the database of the largest known primes.

See the URL <http://homes.cerias.purdue.edu/~ssw/cun/index.html> for the online Cunningham book.

Please send me any address changes.

Keep the factors coming!

Sam Wagstaff