Subject: GuiMT example does not calculate all divisors... Posted by mr\_ped on Tue, 18 Sep 2007 01:03:18 GMT

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It goes only to sqrt(N) during testing for zero remainders (N mod A == 0). That is enough to find all divisors, but you need to show not only A, but also B = N/A.

(it's not important in any way to the MT thing, but ... well ... I like when things are exact and accurate)

```
I would change this:
void WorkerThread(DivisorsInfo f)
String r1, r2;
int divisors = 0;
uint64 max = (uint64)sqrt((double)f.number) + 1;
for(uint64 i = 1; i < max; i++) {
 if(f.gui->terminated)
 break;
 if(f.number \% i == 0) {
 r1 << ' ' << i;
 divisors++;
 uint64 j = f.number / i;
 if ( j != i ) {
  r2 = " " + AsString(j) + r2;
  divisors++;
 PostCallback(callback2(f.gui, &Divisors::ShowResult, f.line, "working..." + r1 + r2));
PostCallback(callback2(f.gui, &Divisors::ShowResult, f.line, AsString(divisors) + ": " + r1 + r2));
AtomicDec(f.gui->threads);
```