

## Re: JSH: Nearly done

**Source:** <http://sci.tech-archive.net/Archive/sci.math/2005-01/7111.html>

---

*litsohate\_at\_hotmail.com*

**Date:** 01/24/05

Date: 24 Jan 2005 15:53:10 -0800

jstevh@msn.com wrote:

- > *There has been a lot of verbiage flying back and forth related to my*
- > *theory and method for factoring that I call surrogate factoring.*
- >
- > *The mathematics though is surprisingly simple, while checking it*
- > *thoroughly can test you to your limits. It's some of the best kind*
- > *of*
- > *mathematics to consider as elementary methods are shown to show*
- > *surprising results never conceived of before.*
- >
- > *At the heart of the theory are two simple quadratics:*
- >
- >  $yx^2 + Ax - j^2 = T$
- >
- > *and*
- >
- >  $yz^2 + Az - j^2 = 0,$
- >
- > *where all are to be rational, while A, j and T are also integers.*
- >
- > *The primary question is, do rational non-zero x, y, z exist?*
- >
- > *So what does that have to do with factoring?*
- >
- > *Well j and T are chosen such that  $M^2 = j^2 + T$ , where M is the*
- > *number*
- > *you're trying to factor, and that means that from the first equation*
- > *you have*
- >
- >  $x(yx + A) = M^2$
- >
- > *so x is a factor of M, but it can be a fraction, so you concentrate*
- > *on*
- > *its numerator to see if that gives a prime factor of M.*
- >
- > *So why  $M^2$  and not M? Well that's where the theory starts pushing*
- > *you,*

- > as I tried  $M$ , and found out that mathematically it didn't give me
- > something I could work with easily, but  $M^2$  did.
- >
- > If you let  $b_1 b_2 = -j^2$ , and  $f_1 f_2 = T$ , it is easy to prove that
- >
- >  $x = (b_1 f_2 + b_2 f_1 - 2j^2)/A$
- >
- > meaning that  $x$  is defined by the factors of  $j^2$  and  $T$ , though it is a
- > factor of  $M^2$ , which is why this is surrogate factoring. The
- > surrogates are factored to try and factor  $M$ .
- >
- > It's a brilliant idea. No matter what any poster says in reply, what
- > I've already shown is simply brilliant, as I have  $x$ , a factor of  $M$ ,
- > defined by factors of numbers other than  $M$ , and that is the start.
- >
- > The first problem you face is that  $b_1, b_2, f_1$  and  $f_2$  may not be
- > integers, but are in the field of rationals.
- >
- > My paper goes over methods that put  $f_1$  and  $f_2$  into integers, while
- > allowing the mathematics to \*choose\*  $b_1$  and  $b_2$  so that they are
- still
- > in the field of rationals, but you get the mathematics selecting them
- > out of infinity.
- >
- > Yup, that's why I call it a super sieve, as in picking  $b_1$  and  $b_2$
- for
- > you, the algebra checks against all rationals, the entire set, and
- > that's an infinite set!
- >
- > Now we are beyond brilliant into the arena of almost impossible to
- > imagine, with a technique for factoring, which loops through the
- entire
- > field of rationals in searching for a solution.
- >
- > So must  $x$  reveal a non-trivial factor of  $M$ ?
- >
- > The answer, amazingly enough, depends on quadratic residues!!!
- >
- > The mathematics requires only elementary methods, but in the space of
- a
- > few paragraphs I've talked about looking for a prime factor of some
- > target  $M$ , where the answer depends on the factorization of numbers
- > other than  $M$ , and you pick one of those numbers, while letting the
- > algebra factor the other, going through the entire field of rationals
- > to pick a solution!
- >
- > All of that is easy to prove, and not only did I prove it in a paper,
- I
- > wrote a program that does it.
- >
- > See <http://groups.yahoo.com/group/sufactor/>

- >
- > *I'm a person not just making claims--I have the full demonstration of*
- > *everything I say here, and I've worked it out, and put it out for*
- > *people to consider.*
- >
- > *So, how can that be possible? How can what I say here be true, and*
- the
- > *mathematical establishment not pay attention?*
- >
- > *There's something wrong with them. I have other big results and*
- > *they've tried to ignore those, and I've talked about some of them*
- here
- > *where people have usually lied about my work.*
- >
- > *It's weird. But it's the reality.*
- >
- > *With "pure math" people can lie. That's just a fact. If some group*
- of
- > *mathematicians write gibberish, and declare it to be a proof of*
- > *something, then basically that goes over, if they are considered to*
- be
- > *mathematicians of note.*
- >
- > *Sure, mathematicians say that's not the way it is, but that's the way*
- > *it is.*
- >
- > *And if an amateur mathematician makes major discoveries, it goes the*
- > *other way.*
- >
- > *Mainstram mathematicians just band together and ignore their work,*
- like
- > *they will try to do with my latest discovery, which they also try to*
- > *do because they're very stupid.*
- >
- > *The factoring problem is quite important in the real world.*
- >
- > *It's not "pure math", so some of those people you respect and admire*
- > *may soon be in jail, hated worldwide, and villified by people who*
- will
- > *not be able to comprehend their behavior.*
- >
- > *I find it hard to understand myself.*
- >
- > *You do not believe that will happen.*
- >
- > *It does not matter.*
- >
- > *It will happen.*
- >
- > *There are probably only a few days before many of your heroes are*
- cast

- > *down, humiliated, ripped from their positions, and put up on public*
- > *display as enemies of humanity itself, as people too blind to act in*
- > *the best interests of society, and too dumb to realize they wouldn't*
- > *get away with it.*
- >
- > *You do not believe but it will happen, and the foundations of your*
- > *society will not just be shaken--they will be shattered--as I*
- promised
- > *years ago.*
- >
- > *The end was never in doubt. You cannot betray the truth, and you*
- cannot
- > *block mathematics.*
- >
- > *You betrayed mathematics itself, so you will be destroyed by it.*
- >
- > *It is the just solution, the most logical, the most rational one, and*
- > *one of absolute perfection.*
- >
- > *Those who betrayed the field of mathematics, who sullied that field*
- > *with their lies, and their belief that social rules could win that*
- they
- > *could make up "truth" and get away with it are about to learn just*
- how
- > *powerful of a field it truly is as a lesson that humanity will never*
- > *forget.*
- >
- > *No one will be able to forget.*
- >
- > *You will learn this time.*
- >
- > *You will learn, never to make these mistakes again, and the lesson*
- will
- > *be complete.*
- >
- >
- > *James Harris*

Are you still wondering why people call you a crank?