

Re: Basically a sieve method, relation to quantum

Source: <http://sci.tech-archive.net/Archive/sci.math/2005-01/7247.html>

From: Michael Brown (*see_at_signature_below*)

Date: 01/25/05

Date: Tue, 25 Jan 2005 18:54:22 +1100

jstevh@msn.com wrote:

> *Michael Brown wrote:*

>> *Michael Brown wrote:*

>> [...]

>>> *How do you get the original primes from the above factorisation? Or*

>>> *does j have to be specially chosen?*

>>

>> *From what I can gather, it's supposed to go something like:*

>> *b_i = factors of j^2 (= 16 in this case)*

>> *f_i = factors of T (product squared minus j^2)*

>>

>> *b_1 = product of some subset of b_i*

>

> *It's a rational, typically a fraction.*

OK, this wasn't made clear in your previous posts. I was basing my assumptions off the post where you said " f_1 , f_2 , b_1 and b_2 are given integers".

>> *$b_2 = -j^2 / b_1$*

>

> *It's a rational, typically a fraction.*

Presumably still given by the relation?

>> *f_1 = product of some subset of f_i*

>> *$f_2 = T / f_1$*

>

> *They are both integers.*

I'm assuming this is an agreement with the definitions of f_1 and f_2 .

>> *A = some integer (not sure how to calculate this)*

>

> *Its value doesn't usually matter though it can interfere.*

>

> *Safest is to just set it to 1.*

>

sci.math: Re: Basically a sieve method, relation to quantum

>> *Then a possible factor is:*
>> $(b_1 f_2 + b_2 f_1 + 2 j^2) / A$
>>
>> *Since I'm not sure how to calculate A, I just calculated each*
>> *possibility mod each of the original primes to see if it was zero.*
>> *No such combination*
>
> *There's now way you calculated each possible as the b's are fractions.*
>
> *Are you saying you iterated through an infinite set?*

This is why you get abused on usenet. It was clear from above that I was treating b_1 and b_2 as integer, so obviously I was iterating through a very finite set. If you want to be taken seriously by anyone, usenet or otherwise, you should cut back on the "you are an idiot" style comments, especially if it was your mistake in the first place (like you saying that b_1 and b_2 were integers).

[...]
> *Read the paper.*
>
> See <http://groups.yahoo.com/group/sufactor/>

I'll read it if you post it to a site that does not require registration to view. Or if you email it to me.

[...]

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Michael Brown
www.emboss.co.nz : OOS/RSI software and more :)
Add michael@ to emboss.co.nz ---- My inbox is always open