

## Re: Partial difference equation, primes

**Source:** <http://sci.tech-archive.net/Archive/sci.physics/2004-08/6811.html>

---

**From:** Marcel Martin ([mm\\_at\\_ellipsa.no.sp.am.net](mailto:mm_at_ellipsa.no.sp.am.net))

**Date:** 08/23/04

Date: Mon, 23 Aug 2004 08:24:56 +0200

James Harris a écrit :

>

> Marcel Martin <[mm@ellipsa.no.sp.am.net](mailto:mm@ellipsa.no.sp.am.net)> wrote in message  
news:<41277B22.8D5D4AF9@ellipsa.no.sp.am.net>...

> > Ok, so I still don't know what you call a "partial difference  
> > equation". But don't worry, it has no importance.

>

> I handled that topic with a separate thread.

>

> But it's not complicated--no matter what a sci.math'er might try to  
> insinuate--as a partial difference equation is the discrete analog to  
> a partial differential equation.

Ok. So,  $dS(x,y)$  is what you call a PDE.

> There is no other known in recorded history used to count prime  
> numbers besides my  $dS(x,y)$  and yes, I'm talking about all of human  
> history here.

You might be right. Who would be moronic enough to compute  
 $\pi(y) - \pi(y-1)$  in order to check the primality of  $y$ ?

> To me that's a simple enough claim that it should either be refutable  
> by you sci.math'ers, or if you're sane, you'll quit trying to  
> insinuate that it's not a big deal.

>

> I fear you're not exactly what most people would call sane.

Do you mean that I could write things like "I am the barbarian at the  
gates..."? :-)

> > Do you understand that the fact that "your" formula contains or not  
> > a PDE has absolutely no impact on the way we could use it to compute  
> >  $\pi(x)$ ? Do you understand that with many formulas containing  
> > something like  $F(x,y)$ , one could claim that  $F(x,y)$  is a PDE? Of course,  
> > one could do it but what would it change?

>

> You're lying because you're insinuating that mathematicians have in

sci.physics: Re: Partial difference equation, primes

> *fact used a partial difference equation to count prime numbers when*  
> *they have not.*

No. I wanted to be sure that what you call a PDE is also what I call  
a PDE. Experien