

Re: series expansion : a question

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- *From:* tommy1729 <tommy1729@xxxxxxxxxx>
 - *Date:* Mon, 13 Aug 2007 17:16:17 EDT
-

denis wrote:

(and did no math whatsoever rather insulted as usual)

tommy1729 a écrit :

In article

<33119411.1186861057132.JavaMail.jakarta@xxxxxxxxxxxxxxxx

forum.org> tommy1729 <tommy1729@xxxxxxxxxx> writes:

> considering series expansion ..

>

> a power series is taylor

> an nth derivate series is taylor

You are doing things the wrong way. A Taylor

series

exists for a function

that is analytical in a circle around the origin.

In

that case the Taylor

series is convergent within that circle. When a

Taylor series does exist

we can get the n-th derivative of it by taking the

n-th derivative of the

terms, constructing a new Taylor series. And we

can

integrate the function

by integrating the terms (where we have to insert suitable constant terms).

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A function for which the n -th derivative does not exist at $x = 0$ does not have a Taylor series expansion at all. (An

example

is $x^3|x|$, which has first, second, third and fourth derivatives, but

for

which the fifth derivative at $x = 0$ does not exist, so it is not analytical in $x = 0$ and so does not have a Taylor series expansion.)

> what is the analogue for an integral ??

wich series can be expressed in the n th integral

1 ??

See above. Although I do not understand the

second

question.

--

dik t. winter, cwi, kruislaan 413, 1098 sj
amsterdam, nederland, +31205924131
home: bovenover 215, 1025 jn amsterdam,

nederland;

<http://www.cwi.nl/~dik/>

once again i am misunderstood ...

once again, you obfuscated issues, then complained

i understand taylor series perfectly ...

Certainly not . You are a troll. Dont expect any further serious help for us now.

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radius of convergence too...

that's NOT the issue here !!!

If you say so...

considering $f(x+a) = f(a) + f'(a)x + \dots$

(Taylor) it is clear that Taylor is a power series

(infinite polynomial of x)

and a series of n th derivatives ($f^{(n)}(a)$)

i am looking for the analogue of n th integrals ...

tommy1729

Keep looking. Remember Taylor series are unique.
Perhaps you are looking
for something like Euler–MacLaurin summation formula?
But I strongly
doubt it. You are just trolling as usual

no, just as usual you don't understand the math i am describing...

i am better at math than you are

want a second opinion ??

ask quasi about my factoring tricks for instance

or look up sequences called after me

i won a math olympiad too

i have at least one operator and two constants named after me

....

you remind me of bit188

you have a lot of nerve for a newbie...

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you dont even know about the math i have done in the past

you were not even here ...

and i guess you were not present at the math olympiad either ...

it is YOU WHO HAS TO CONVINCING US THAT YOU ARE NOT A TROLL

SINCE YOU ONLY INSULT PEOPLE HERE

rather than to ask questions , let alone do math...

i have seen lots of critics towards me ...

the only reason you can react like that is because this forum is unmoderated !!

NOT because you are a genius...

you could not even compute an average remember ???

now what kind of mathematician cant compute an average ;

yet claims to understand calculus ??

denis and denis only ...

there is a pattern in critics towards me

1) they insult me

2) they dont do math

3) they leave , realising they misjudged me , and/or they cant do math...

(usually both)

your faith will be the same as bit188...

(or any other)

she considered me a crank too...

till some people here pointed out the level of my postings

(especially the ones she did not read)

she refused to read them...

finally she apologized

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promised to do some math

and then left ...

and time will repeat itself ...

notice how most people on my cranklist have left

they were all critics of mine ...

and those are only the recent ones ...

so they all had to go ...

realizing they made a fool out of themselves doubting me ...

go ahead

look for my factoring tricks ...

ask quasi about it if you dont believe me ...

dont expect JSH type factoring tricks , mine are much more advanced !!!

go ahead , look it up

or ask quasi

or ask timothy golden

or ask neilist

or even robert israel will remember that

or do you consider those guys cranks too ??

time will repeat itself...

you probably think this does not apply to you ; that your different ...

think again ...

"dimensionality is resolved !! "
tommy1729 about perelmanns proof

.