

Re: " $f^{[n]}(x) = \exp(n/\phi'(x)) D \circ x$ "

Re: " $f^{[n]}(x) = \exp(n/\phi'(x)) D \circ x$ "

Source: <http://sci.tech-archive.net/Archive/sci.math/2006-05/msg00812.html>

- *From:* "G. A. Edgar" <edgar@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 04 May 2006 10:21:09 -0400
-

In article <1146730482.691252.6670@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>, <"alainverghote@xxxxxxx"> wrote:

Any Idea ?

Thanx , Alain

Perhaps if you write it very carefully, so that it makes sense, there would be something to say. In particular, state precisely what D is and what x is. Maybe write it down in the particular case $f(x) = 2x$, $\phi(x) = \log_2(x)$. I have a feeling it is a version of the formula $\exp(aD)(g)(x) = g(x+a)$ which is a symbolic way of writing the Taylor series.

—
G. A. Edgar <http://www.math.ohio-state.edu/~edgar/>