

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

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Dear Edgar ,

an other writing seems to be :

$\sum_{k=0}^{\infty} \frac{1}{k!} * \{ n / \phi'(x) * d/dx \}^k \circ x$.

I've tried the formula

$\exp(n/\phi'(x) D) \circ x$ with a very simple
case $f(x) = a*x + b$, $\phi(x) = \ln(x + b/(a-1)) / \ln(a)$
 $1/\phi'(x) = (x + b/(a-1)) * \ln(a)$.

I believe you 're right saying :

" 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. "

Amitiés , Alain

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