Subject: Re: bessel
Posted by meron on Fri, 05 Nov 1999 08:00:00 GMT
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In article <3822F3E4.F6A4A8D3@phim.unibe.ch>, Michael Kueppers
<michael.kueppers@phim.unibe.ch> writes:
> enea wrote:
>
>> I have to calculate the modified Besell functions K(y).
>> I 'm not able to do it in idl.
>> Someone can help me?
>>
>> Excuse me for my bad english
>>
>> Claudia
>
> The IDL-functions below are the Bessel-functions
> K_0(y) and K_1(y) taken from "Numerical Recipes in C"
> (Press et al. 1992, Cambridge Univ. Press) and
> translated to the
> Interactive Data Language. Should your question refer
> to the other idl (I am sufficiently ignorant not to know if this
> is a possibility), please apologize for bothering.
> You can construct higher order bessel functions by
>
> -2n / x * K_n(x) = K_(n-1) (x) - K_(n+1) (x)
>
There is also my BESELK function, which'll calculate Bessel K
functions of any order (including fractional) as well as their
integrals (x to infinity)

Mati Meron | "When you argue with a fool,
meron@cars.uchicago.edu | chances are he is doing just the same"