Subject: Re: Numerical Recipes / stifbs
Posted by davidf on Mon, 15 Dec 1997 08:00:00 GMT
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Theo Brauers (Th.Brauers@fz-juelich.de) writes:

> You are right ODE needs some info:

Oh, *ODE*! Sorry, I had misread this as *SOB*. No. You
are right. It should be included. :-)

> Anyway, it might rather be a question for RSI's costumers
> department than for this news group. Probably we have to
> wait for release 5.x. Does anyone from RSI read this :-) ?

I think so, although they rarely admit it. :-)

Cheers,

David

David Fanning, Ph.D.
Fanning Software Consulting
E-Mail: davidf@dfanning.com
Phone: 970-221-0438
Coyote's Guide to IDL Programming: http://www.dfanning.com/

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You are right ODE needs some info:

ODE = ordinary differential equations.
stiffness occurs with sets of ODEs when there are two or
more very different scales of the independent variable
on which the dependent variables are changing.
(see Num. Rec. in C p. 734ff)

However, I would appreaciate if all routines from Num.Rec.
were in IDL since the Num.Rec. book would make an
excellent reference to the numerical routines available
in IDL. I think a lot of people (like me) were using
Num.Rec. in C or Fortran for the numerics when they coded
in these languages.

Anyway, it might rather be a question for RSI's costumers department than for this news group. Probably we have to wait for release 5.x. Does anyone from RSI read this :-) ?

Best
Theo

David Fanning wrote:
>
> Theo Brauers (Th.Brauers@fz-juelich.de) writes:
>
>> I am looking for an integrator for a stiff set of
>> ODE. Numerical recipes in C provides the stifbs
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>> any full implementation of Num. Rec. in IDL? Why
>> did RSI throw some of the best routines of Num.
>> Rec. out of IDL?
>
> I don't think it is a question of IDL throwing anything
> out, there are some routines that weren't included. Did
> you let them know what the "best" routines were? For us
> non-mathematical types, when we hear "stiff set of ODE's"
> we think of our parents-in-law, not "best math routines". :-)
>
> Cheers,
>
> David
>
> ---
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File Attachments

1) vcard.vcf, downloaded 89 times

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