
Subject: Re: Numerical Recipes / stifbs

Posted by [Theo Brauers](#) on Mon, 15 Dec 1997 08:00:00 GMT

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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 appreciate 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
>> routine which is not available in IDL. Is there
>> 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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- > Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

File Attachments

1) [vcard.vcf](#), downloaded 75 times
