Subject: Re: Geopack magnetic field library
Posted by Michael Wallace on Fri, 17 Jun 2005 15:51:42 GMT
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Haje Korth wrote:
> Hi,
> Just in case anyone is interested, I have posted a Windows DLM at the RSI
> code bank that contains the complete set of routines from the Fortran
> Geopack magnetic field library by N. A. Tsyganenko
> (http://nssdc.gsfc.nasa.gov/space/model/magnetos/data-based/m odeling.html).
> It also includes all currently available models for the Earth's external
> magnetic field. This library is NOT an IDL recode of the original routines,
> which has been done in the past. C wrappers are used to access the Fortran
> routines instead. The library is pre-compiled.

Very very very cool, except the Windows part. Is there any reason why you didn't post the Linux DLM as well? I only found that one by finding your website with both DLMs on it. And what about getting the DLM for other operating systems, like Solaris?

-Mike

Subject: Re: Geopack magnetic field library
Posted by Haje Korth on Fri, 17 Jun 2005 16:04:31 GMT
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Mike,
i will post the linux version at the RSI site, too. Until then grab it from our server. As for other OSes, you are just like a friend of mine (wondering if he is reading along): The first thing he asked me is where the MAC version is. I will think about releasing the source code for UNIX so it can be recompiled. I am hesitant about releasing Windows source code since I don't have time to answer 50+ million e-mails why the codes doesn't compile. Are you on solaris?

Haje

"Michael Wallace" <mwallace.no.spam@no.spam.swri.edu.invalid> wrote in message news:11b5scksunnke48@corp.supernews.com...
> Haje Korth wrote:
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Subject: Re: Geopack magnetic field library
Posted by Rick Towler on Fri, 17 Jun 2005 16:11:25 GMT
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Michael Wallace wrote:
> Haje Korth wrote:
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Sheesh! Anything else you want? A precompiled version for HP/UX or AIX
or VMS or CP/M? I'm kidding. But Haje might not have access to a
slowlaris box with IDL installed to compile and test. And then is he
supposed to offer 32-bit binaries? 64-bit? Then someone will complain
that he used GCC instead of the sun compiler...

-Rick

Subject: Re: Geopack magnetic field library

Posted by Haje Korth on Fri, 17 Jun 2005 16:17:52 GMT
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Rick,
yes, unix has just too many flavors. The main problem is though that I use the Intel Fortran compiler on Windows and Linux for the Fortran code. The advantage is that I can use the Windows code with all special DLL compile directives on Linux as well. The Linux version of the compiler just ignores these commands. I have no time to test this with different compilers. If you (or Mike) want to give other compilers a try send me an e-mail and we handle that off line. Once we have a working version, we can make that public.

Haje

"Rick Towler" <rick.towler@nomail.noaa.gov> wrote in message news:d8usqe$3bg$1@news.nems.noaa.gov...
>
>
> Michael Wallace wrote:
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Subject: Re: Geopack magnetic field library

Posted by Michael Wallace on Fri, 17 Jun 2005 17:40:27 GMT
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> be recompiled. I am hesitant about releasing Windows source code since I
> don't have time to answer 50+ million e-mails why the codes doesn't compile.
> Are you on solaris?

I completely understand the reasoning behind not wanting to release source code. As soon as you do, you become the target of who knows how many emails complaining that this doesn't work or that doesn't work and who really has the time to handle all that? I know I sure don't.

Anyway, I split my time between Linux and Solaris. Much of our real number crunching code is executed on our beefy Solaris servers. Several of the physicists down the hall from me have asked before about what it'd take to get an interface into the the Tsgyaneko library, so you can understand my excitement and understand why my first question was about Solaris.

-Mike

Subject: Re: Geopack magnetic field library
Posted by Haje Korth on Mon, 20 Jun 2005 15:29:18 GMT
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Ok, I upped the linux version to the RSI codebank. It should be posting soon. Time permitting, other OSes will be provided, but please, NO NAGGING!

Haje

"Michael Wallace" <mwallace.no.spam@no.spam.swri.edu.invalid> wrote in message news:11b5scksunnke48@corp.supernews.com...
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