
Subject: Magnetic Local Time

Posted by [Ken Mankoff](#) on Tue, 10 Jul 2001 18:52:31 GMT

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Hi Everyone,

I'm looking for help calculating Magnetic Local Time. I have experience with magnetic lat/lon coordinate systems (specifically, CGM), but not MLT. If anyone can give me some assistance, code, URL's or other resources, I would be grateful.

Thanks,

-k.

--

Ken Mankoff

LASP://303.492.3264

<http://lasp.colorado.edu/~mankoff/>

Subject: Re: Magnetic Local Time

Posted by [ingo](#) on Thu, 12 Jul 2001 11:34:25 GMT

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> "KM" == Ken Mankoff <mankoff@lasp.colorado.edu> writes:

KM> Hi Everyone,

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KM> with magnetic lat/lon coordinate systems (specifically, CGM), but not MLT.

KM> If anyone can give me some assistance, code, URL's or other resources, I

KM> would be grateful.

Hi Ken,

i got only f77 code for deriving the 'Magnetic Universal Time'. please

contact me, if you are interested.

ingo

--

ingo wardinski

ingo@gfz-potsdam.de

GeoForschungsZentrum Potsdam, Telegrafenberg F456, 14473 Potsdam

Sonne stehenden Planet Jupiter, und schon gar nicht seinen winzig
kleinen Mond IO!!!"

josef mallits am 16.08.98 in de.sci.physik

Subject: Re: Magnetic Local Time
Posted by [nmw](#) on Thu, 12 Jul 2001 12:51:36 GMT
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In article <Pine.LNX.4.33.0107101249520.4805-100000@snoe.colorado.edu>, Ken Mankoff <mankoff@lasp.colorado.edu> writes:

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> with magnetic lat/lon coordinate systems (specifically, CGM), but not MLT.
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>
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>

I have a DLM for UNIX which implements IGRF and the NSSCDC GEOCGM library.
One of the parameters calculated by GEOCGM is the UT of MLT midnight.

See <http://nssdc.gsfc.nasa.gov/space/cgm/cgm.html> for details.

If you are interested I could probably package this up for you with some
basic installation instructions.

--

Nigel Wade, System Administrator, Space Plasma Physics Group,
University of Leicester, Leicester, LE1 7RH, UK
E-mail : nmw@ion.le.ac.uk
Phone : +44 (0)116 2523568, Fax : +44 (0)116 2523555

Subject: Re: Magnetic Local Time
Posted by [robert.m.candey.1\[2\]](#) on Sun, 15 Jul 2001 22:29:04 GMT
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In article <Pine.LNX.4.33.0107101249520.4805-100000@snoe.colorado.edu>,
Ken Mankoff <mankoff@lasp.colorado.edu> wrote:

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> -k.

Try the routines at <<ftp://cdaweb.gsfc.nasa.gov/pub/CDAWlib/source/>>,
particularly geopack.pro. The routines eccmlt.pro and mlt.pro call Fortran
routines in <<ftp://cdaweb.gsfc.nasa.gov/pub/CDAWlib/radar/>>

--

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NASA Goddard Space Flight Center, Code 632
Greenbelt MD 20771 USA <<http://nssdc.gsfc.nasa.gov/personnel/rcandey/>>
