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Subject: Beta version of the IDL/CSPICE interface (lcy)  
Posted by [Ed Wright](#) on Sat, 11 May 2002 00:15:01 GMT  
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To: IDL Users  
From: Ed Wright JPL

A beta release of the IDL/CSPICE (lcy) dlm interface is available for evaluation.

CSPICE is the C version of the JPL SPICE ephemeris/geometry library used to read/write navigation trajectory data files (known as kernels), perform various geometry calculations and time conversions. Neither CSPICE, nor the FORTRAN version - SPICE, are related to circuitry design.

As lcy serves as the interface to the CSPICE library, an interested user requires the CSPICE delivery for their machine. lcy is intended for current SPICE/CSPICE users of those researches interested in learning the SPICE paradigm.

The interface consists of some 280 interface symbols. All lcy calls have the string cspice\_ appended the the CSPICE call name to identify the external library and to prevent any possibility of name collision.

Download CSPICE:

Anonymous ftp to naif.jpl.nasa.gov  
cd to pub/naif/toolkit/C

cd to the directory for your platform

Alpha\_Digital\_UNIX\_C  
HP\_C  
MacPPC\_C  
PC\_Linux\_C  
PC\_Win95NT\_C  
SGI\_N32\_C  
SGI\_O32\_C  
Sun\_Solaris\_C  
Sun\_Solaris\_GCC

cd to packages

Download all files in the directory. Note: download \*.tar.Z and \*.exe in binary; download .hqx files as ASCII.

Download lcy:

Anonymous ftp to naif.jpl.nasa.gov  
cd to pub/naif/misc/edw/  
download (binary) icy\_deliver.tar.gz .

The Icy directory includes example .pro scripts and  
the required data files.

For those interested, please examine the updated Icy project page at:

<http://naif.jpl.nasa.gov/IDL.html>

and the NAIF main page at:

<http://naif.jpl.nasa.gov/naif.html>

As always,  
Ed Wright

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