cansas1d binding Fortran

From canSAS

The development of the FORTRAN language, so beloved of scientists, pre-dates the development of XML. And it shows. FORTRAN is not a language that manipulates strings with ease, and this makes parsing XML decidedly awkward. So unless you *really* have to use FORTRAN, you are probably better off with C/C++ (or something else more 'modern'), see for example Daniel Veillard's LIBXML2 library at http://xmlsoft.org/ or Frank van den Berghen's parser at http://www.applied-mathematics.net/tools/xmlParser.html.

If you have to use a dialect earlier than FORTRAN-90 (F90), then the chances are you will have to code your own parser.

Software Development Kits

For later dialects, there are some SDK's available on the Web:

- F90:
    - XMLPARSE - by Arjen Markus at http://xml-fortran.sourceforge.net/
    - FoX - by Toby White & others at http://uszla.me.uk/space/software/FoX/
- For F95:
    - XML - by Mart Rentmeester at http://nn-online.org/code/xml/

canSAS 1-D SAS XML v1.0 support

Steve King[1] (mailto:s.m.king@rl.ac.uk) (ISIS) has provided a F77 routine (SASXML_G77.F (http://svn.smallangles.net/trac/canSAS/browser/1dwg/trunk/fortran/SASXML_G77.F)) that will read CanSAS XML v1.0 files.

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