Program	ENDF2C				Endi
	=====		_		Endi
Convert	ENDF Da	ata to	Stand	ard FORTRAN, C and C++ Format.	Endi
	0014 1		0014 +		Endi
				Initial version.	End:
	2014-2	oet.	2014 ^	Changed from D to E exponential form to improve compatibility between	Endi
				computer languages.	Endi
	2015-1	Jan.	2015 *	General updates for release with	Endi
				PREPRO2015.	Endi
			*	Changed ENDF data filenames from ENDF2C	Endi
				to ENDFB, to agree with PREPRO default	Endi
				definitions.	Endi
			*	Added code name (to be compatible	Endi
				with PREPRO output), but NOT TIME (to	Endi
				keep this code as computer independent	Endi
	2017 1	Wa	2017 ±	as possible).	Endi
	ZUI/-I	мау	∠∪1/ *	Updated based on user feedbsck	End:
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Purpose	======				_
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		_		ormat = ENDF-1 through ENDF-6.	Endi
-		-		= 32 or 64 bit system/compiler	Endi
	- 		-	- · ·	Endi
This cod	le tries	s to k	ceep th	ings as simple as possible	Endi
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In order to insure that this PRESERVES the accuracy of the data this is done by reading and writing each ENDF line as characters. Endf2c Blank and integer fields are copied exactly as read. ALL floating Endf2c point number that are read are converted internally from character Endf2c in a standard, officially approved format, for output.

As a last step to insure the accuracy of results the characters to be output are again converted from characters to floating point, and the numerical value that is output is compared to the numerical value originally read, and if there is ANY DIFFERENCE the characters strings read and written are listed in the output: Endf2c the characters strings read and written as well as the difference Endf2c is listed in the output report (ENDF2C.LST) and on the screen.

Running Time

It takes only seconds to translate an ENDF formatted evaluation, so running time need not be a consideration. Concentrate on keeping it simple and reliable - that should be your focus.

Documentation

ALL of my codes that process ENDF data and change it in ANY WAY document what they have done by adding comment lines at the end of the comment section (MF/MT=1/451) of each evaluation. This allows data users to determine the pedigree of the data they are using, by reading these comments. This code documents what is has Endf2c done by adding the following 2 comment lines.

********* Program ENDF2C (Version 2017-1) ********** Convert ENDF Data to Standard FORTRAN, C and C++ Format

WARNING - This documentation is IMPORTANT to data users and it should not be deleted.

Written by

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