

ELib49+

Version 0.19b, 23rd of May 2006
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Introduction.....	1
Installation.....	1
Revision History	1

Introduction

This is a support library containing C modules used by other libraries (ExtraFunc49+ for instance). The reason for introducing a support library is to let you choose how much to install depending on which features you want. Several different versions of ELib are planned, as it will branch into supporting other user libraries – in addition to ExtraFunc, both a plotter as well as several other mathematical libraries are in the works (a plotter, a solver lib, a new CAS lib etc.). These will all need C code, and instead of introducing 4 or 5 huge libraries (50-100k each), the user libraries might be 10k in size each, and share one large support library (ELib).

The source code (HP-GCC project) for ELib will eventually be released, but currently it's not available.

The library is freeware and as such is covered by no warranty whatsoever. I cannot take responsibility for any damage or data loss caused by this program.

Installation

For this version of ELib you need the ARMTToolBox v3.12 or later installed too. You get the ATB by navigating to <http://www.hpgcc.org/> and download the latest version of HP-GCC. Please follow the directions available there to download and install ATB on your calculator.

ELib (library #1138) will work from any port, but port 2 is preferred as this will help keep as much RAM as possible free to work in. The library is 19,956 bytes in size, and the checksum is #FA37h. To assure proper alignment of the ARM code, you need to store ELib with the FixSTO command provided by the ATB.

There are no directly user accessible commands in this library – usage is strictly through user libraries like ExtraFunc. When the source code is released, it'll be possible to use ELib for your own programs and libraries (if you find anything in the support libraries useful that is ☺).

Revision History

v0.19b: Initial public beta.