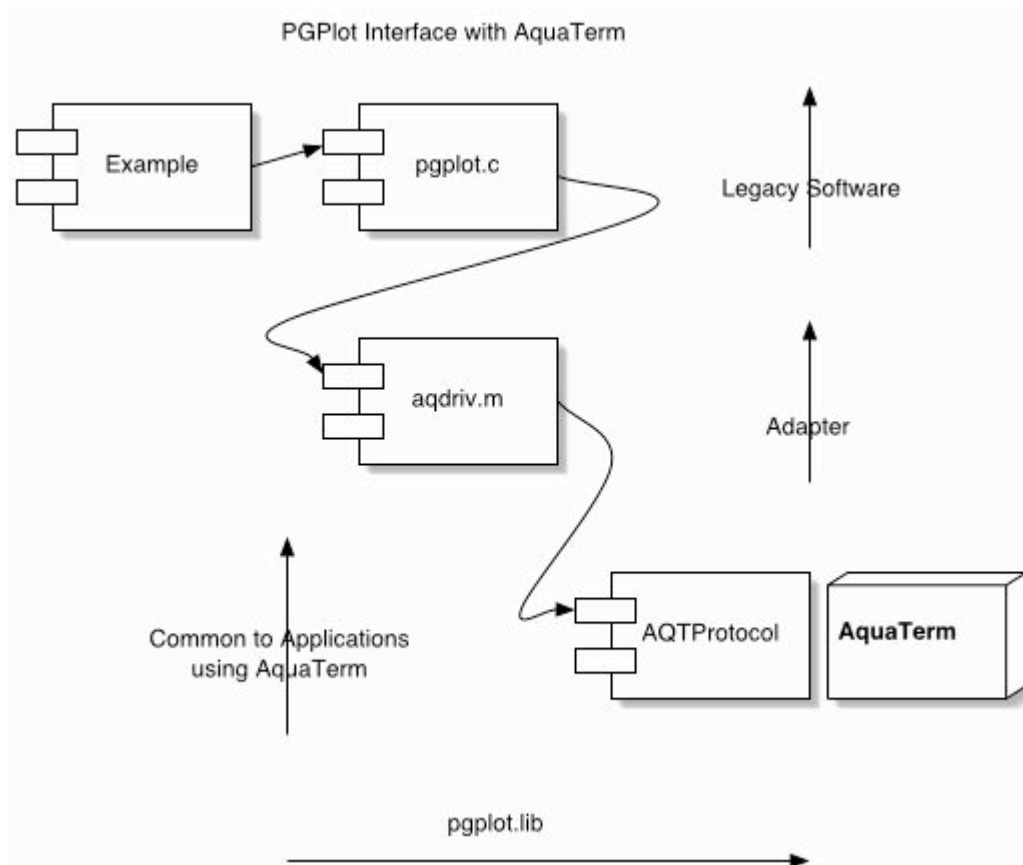**HowTo interface your C or Fortran code with PGPlot on Mac OS X without X11**

The software includes 3 parts :
    - Legacy Software using PGPlot with X11 for example
    - Software developped in Objective C for Mac OS X to be used by Graphics Applications :
AquaTerm & AQTprotocol
    - Adapter (or driver) in Objective C to bridge the two worlds.
The steps of the project are :
    - Build the AquaTerm Application
    - Produce the pgplot library
    - Run some Example of the complete Applications

Build the AquaTerm Application
    - Use the ProjectBuilder IDE : The current Files & ProjectBuilder project files are available via
CVS at
http://aquaterm.sourceforge.net/docs/faq.html

Produce the pgplot library
    - Use pgplot software from : ftp://astro.caltech.edu/pub/pgplot/pgplot5.2.tar.gz
    - Use g77 fortran compiler & cc compiler
    - Use Unix makemake script to generate makefile
    - Download updated g77_ccAQT.conf & iand.c from :
http://sourceforge.net/cvs/?group_id=39915
    - Copy these files in a new created sys_macosx folder
    - Update the driver list with the following entry:
[...]
! File   Code   Description   Restrictions
  AQDRIV 0 /AQT   AquaTerm.app under Mac OS X   C
! BCDRIV 0 /BCANON   Canon Laser printer (bitmap version), landscape

! CADRIV 0 /CANON   Canon Laser printer, LBP-8/A2, landscape
[...]
   - Update makemake file with the following entry:
[...]
#---
Device drivers
#---
AQDRIV="aqdriv.o"
ARDRIV="ardriv.o"
BCDRIV="bcdriv.o"
[...]

   - ./makemake to produce the makefile
   - Check the produced makefile includes :
aqdriv.o: $(DRVDIR)/aqdriv.m
     $(MCOMPL) -c $(MFLAGC) $(XINCL) $(DRVDIR)/aqdriv.m

   - make
   - make clean
   - make cpg if you want run C demos

Run some Example of the complete Applications

   - ./pgdemo1 to test Fortran examples
   - ./cpgdemo to test C examples

Pierre Vaudrey : rev A march 5 2002