API Documentation

October 21, 2004

Contents

1   Package numdisplay

numdisplay: Package for displaying numarray arrays in IRAF-compatible
            image display tool such as DS9 or XIMTOOL.

Displaying a numarray array object involves:
1.   Opening the connection to a usable display tool (such as DS9).

2.   Setting the display parameters for the array, such as min and
     max array value to be used for min and max grey scale level, along
     with any offset, scale factor and/or transformation function to be
     applied to the array.

1.2   Functions

help()
Print out doc string with syntax and example.

1.3   Variables

Name	Description
-- --	

---

close(self **)**

Close the display device entry.

---

display(self, pix, name=None, bufname=None, z1 =None, z2 =None, transform=None, scale=None, o®set =None, frame=None**)**

Displays byte-scaled (UInt8) numarray to XIMTOOL device. This method uses the IIS protocol for displaying the data to the image display device, which requires the data to be byte-scaled. If input is not byte-scaled, it will perform scaling using set values/defaults.

---

open(self, imtdev =None**)**

Open a display device.

---

readcursor(self, sample=0**)**

Return the cursor position from the image display.

---

set(self, frame=None, z1 =None, z2 =None, contrast=None, transform=None, scale=None, o®set =None**)**

Allows user to set multiple parameters at one time.

2   Module numdisplay.displaydev

displaydev.py: Interact with IRAF-compatible image display

Modeled after the NOAO Client Display Library (CDL)

Public functions:

readCursor(sample=0)
      Read image cursor position

open(imtdev=None)
      Open a connection to the display server. This is called
      automatically by readCursor if the display has not already been
      opened, so it is not generally

Name	Description
SZ	

$\mathcal{M}_0$ n

2.7.1 Methods

=umdisplay.displa

__init__(self, port, hostname=

Index