URL: http://cxc.harvard.edu/ciao3.4/pix_get_energy.html
Last modified: December 2006

AHELP for CIAO 3.4

pix_get_energy

Context: pixlib

Jump to: Description Bugs See Also

Synopsis

Return the photon energy corresponding to a given grating dispersion (GAC) value.

Syntax

```
Double_Type pix_get_energy( Double_Type x, Double_Type y )
```

Description

Calculates the photon energy, in keV, for a given grating position and using the current pixlib settings. The x and y values are in the GAC coordinate system, and so represent the grating dispersion and cross−dispersion angles in degrees. The grating order − as set by pix_set_grating() − must be non−zero for this routine to work.

The pix_get_grating_wavelength() routine can be used to find the wavelength of the photon instead of the energy.

Bugs

See the bugs page for the pixlib library on the CIAO website for an up−to−date listing of known bugs.

See Also

modules

pixlib

pixlib

pix_gac_to_gdp, pix_gdp_to_gac, pix_get_grating_wavelength

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