

Python Quiz 7 - Astropy

Started: Jul 3 at 2:01pm

Quiz Instructions



Question 1 1 pts

What is the primary purpose of the `astropy` package?



To perform astronomy and astrophysics with Python



To create visualizations of data using Matplotlib



To enable web development for astronomy applications



To provide tools for scientific computing in Python



Question 2 1 pts

What does FITS stand for in the context of astronomical data?



Flexible Image Transport System



Flexible Image Transfer System



Fast Image Transmission System



File Image Transfer Standard



Question 3 1 pts

What is the primary function of FITS in astronomy?



To store and transport scientific data sets like multidimensional arrays and tables



To convert images into different formats such as JPG or PNG



To improve the contrast of astronomical images



To create 3D visualizations of space objects



Question 4 1 pts

Which Astropy function is used to open a FITS file?



`fits.open()`



`astropy.open()`



`fits.load()`



`fits.getdata()`



Question 5 1 pts

In the FITS file example, what does the `hdu_list[0].data` represent?



The primary image data from the FITS file



The header of the FITS file



The dimensions of the file



The metadata of the file

Not saved

Submit Quiz