Documentation and report of Astrophysics with Artificial Intelligence(Astropy and AstroML) – Astronomical Coordinates 1 with astropy

Donghun Kim

* **All the information is based on and originated from ‘astropy.org’, ‘atsroml.org’, and ‘wikipedia.org’**

<1> The fundamental knowledge to utilize astropy and astroML for astrophysics

1. Coordinates system.

There are some coordinate systems such as Cartesian coordinate system, cylindrical coordinate system, and spherical coordinate system. Those coordinates are related each other ones and also can be alternated to clarify the object position or calculate something which are changed depending on the coordinate system. Those coordinate systems have each own defined units and also each units can be converted along the process of alternation of coordinate system.