

Project MAGE: Visualization of Geomagnetism by Google Earth and Application to Education

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<http://peach.center.ous.ac.jp/mage/>

For students it is difficult to make images of geomagnetic field because it is invisible 3D vectors. We have developed visualization tools of geomagnetic field

with using Google Earth since april of 2007.

In this presentation we will demonstrate the KML files and discuss its applications to education and to public purposes. Now we release four types of KML files as following, (1) current field, (2) 20th centurial field, (3) past 7000 year field and (4) field during geomagnetic field reversal transition (Matuyama - Brunhes transion: 780ka).

These KML files show the geomagnetic field lines and observed field components at surface of the Earth. Three types KML files excluding (1) indicate time variation of the field with using Time-Slider in Google Earth.

You can freely download KML files from our website.