
GSC020-P09

Room: Convention Hall

Time: May 23 17:15-18:45

Visualization for comprehension of geomagnetic fields by Google Earth

Tadahiro Hatakeyama^{1*}

¹IPC, Okayama Univ. Sci.

It seems difficult to teach the images of geomagnetic field for students and citizen since it is invisible, written in 3D vector field and fluctuating with diverse time scales. Here we show our "MAGE Project" which aims providing better perception of geomagnetic field and its temporal variations to easily understand for people, students and researchers. Now we provide Google Earth KML files for visualizing moving geomagnetic field lines with time scales (ex. 100, 400, 2000, 7000 years). Moreover we show our approach of combination of KML files and introductions and expositions of geomagnetic field fluctuations on the webpages for their better comprehensions.

Keywords: geomagnetic field, education, outreach, visualization, Google Earth