

## Geomagnetic secular variation in Japan from archeomagnetic data

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We have made a new archeomagnetic database in Japan covering the past 2000 years. Now we report a new geomagnetic directional secular variation model derived the database.

Geomagnetic direction changed within a cone with the half angle of 20 degrees, and it had at least 6 changes in the moving direction which indicates a characteristic geomagnetic changes. Especially the last two drastic changes in 1150 and 1600 are able to be consistent with magnetic jerks.

We will also talk the potential of age estimation with using the geomagnetic secular variation curve applying to new paleomagnetic data with unknown age.

Keywords: geomagnetic secular variation, archeomagnetism, geomagnetic changes