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Recent progress in studies of the geomagnetic field and dynamics of the Earth's core

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Main part of the geomagnetic field is generated by dynamo process in the Earth's core.

This implies that the geomagnetic field and its secular variation have potential to reveal the dynamics of the Earth's core. In this talk, I am going to introduce recent progress of the studies of Earth's core using the geomagnetic field. It has been suggested that decadal variation of the geomagnetic field is compatible with stable stratification at the top of the core although the cause of the stratification is not very certain yet.

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