



UNIVERSIDADE FEDERAL DO PARÁ
PROGRAMA DE PÓS-GRADUAÇÃO EM GEOFÍSICA

GEOPHYSICS LECTURE

Earth's magnetic field - the shield of our planet

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Abstract

This popular science talk will focus on the Earth's dynamic magnetic field. How do we measure it on ground and from satellites? How does it protect us from particles and radiation in space? Concepts for the generation of the field in Earth's core and for the electric currents around the Earth are briefly introduced. Magnetic storms and their effect on space and ground infrastructure are discussed. Finally, we look at the question, if a magnetic field reversal should be expected anytime soon.



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Geophysics - Earth's Magnetic Field

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Public Law Foundation State of Brandenburg

<http://www.gfz-potsdam.de/en/section/earths-magnetic-field/staff/profil/juergen-matzka/>

