

319

RNDr. Jakub Velímský, Ph.D. (naroz. 1975)

Univerzita Karlova v Praze, Matematicko-fyzikální fakulta, katedra geofyziky

geoelektromagnetismus

návrh podává: Geofyzikální ústav AV ČR, v. v. i.

Velímský, J., Z. Martinec, and M.E. Everett, 2006. Electrical conductivity in the Earth's mantle inferred from CHAMP satellite measurements - I. Data processing and 1-D inversion. *Geophys. J. Int.*, 166, 529–542.

Velímský, J. and Z. Martinec, 2005. Time-domain, spherical harmonic-finite element approach to transient three-dimensional geomagnetic induction in a spherical heterogeneous Earth, *Geophys. J. Int.*, 161(1), 81–101.

Velímský, J. and M.E. Everett, 2005. Electromagnetic Induction by Sq Ionospheric Currents in a Heterogeneous Earth: Modeling Using Ground-based and Satellite Measurements. In: Reigberg C., H. Lühr, P. Schwintzer, and J. Wickert (Eds.), *Earth Observation with CHAMP. Results from Three Years in Orbit*. SpringerVerlag, 2005, pp. 341–346.

Velímský J., Z. Martinec a M.E. Everett, 2004. Elektromagnetická indukce v Zemi: pohled z oběžné dráhy, *Čs. časopis pro fyziku*, 4/2004, 209–213.

Martinec, Z., M.E. Everett and J. Velímský, 2003. Time-domain, spectral finite-element approach to transient 2-D geomagnetic induction in a spherical heterogeneous Earth, *Geophys. J. Int.*, 155, 33–43.

Velímský, J., M.E. Everett and Z. Martinec, 2003. The transient Dst electromagnetic induction signal at satellite altitudes for a realistic 3-D electrical conductivity in the crust and mantle, *Geoph. Res. Let.*, 30(7), 1355.

Velímský, J., Matyska, C., 2000. The influence of adiabatic heating/cooling on magnetohydrodynamic systems. *Phys. Earth Planet. Inter.*, 117, 197–207.