

REFERENCES

- [1] Pulkkinen, P. Space Weather: Terrestrial Perspective, *Living Rev. Solar Phys.*, 4, 2007
- [2] Hartmann, D. L., ATM 552 Notes: Compositing, pages 32-34, 2007
- [3] Cumnock, J. A., 2005. High-latitude aurora during steady northward interplanetary magnetic field and changing IMF B_y , *J. Geophys. Res.*, 110, A02304, doi:10.1029/2004JA010867.
- [4] Maynard, N. C., 2005. Coupling The Solar-Wind/IMF To The Ionosphere Through The High Latitude Cusps, *Surveys in Geophysics*, 26, 255-280.
- [5] Reshetnyks, V.M. , 2005. Behaviour of auroral activity as a function of the interplanetary magnetic field, *Planetary and Space Science*, 53, 181-187.
- [6] Wing S., P. T. Newell and C.I. Meng, 2005. Cusp Modeling and Observations at Low Altitude, *Surveys in Geophysics*, 26, 341-367
- [7] Goodman, J. M., *Space Weather&Telecommunications*, Springer, 1st edition, 2004
- [8] Prölls, G. W., *Physics of the Earth's Space Environment*, Springer, 2004
- [9] Kallenrode, M. *Space physics : an introduction to plasmas and particles in the heliosphere and magnetospheres* (3rd ed.), Berlin: Springer, 2004
- [10] Tulunay, Y., and Bradley, P., 2003. WP 1.1 Impact of Space Weather on Communication, COST 271 Technical Document, (TD 02 003)
- [11] Russell, C.T., Fleishman, M., 2002. Joint control of region-2 field-aligned currents by the east-west component of the interplanetary electric field and polar cap illumination, *Journal of Atmospheric and Solar-Terrestrial Physics*, 64, 1803-1808.
- [12] Aravindan, P., and Iyer, K. N., 2001. Day-to-day variability in ionospheric electron content at low latitudes, *Planet. Space Sci.*, 38, 743-750.
- [13] Bae, S.H., Lee, D.-Y., Lee, E., Min, K.W. , Choi, K.H., 2001. Substorms associated with azimuthal turnings of the interplanetary magnetic field, *Journal of Atmospheric and Solar-Terrestrial Physics*, 63, 1763-1774.
- [14] Gombosi T., *Physics of the Space Environment*, Cambridge University Press, Cambridge, UK, 1998.
- [15] Liou, K., Newell, P.T., Meng, C.-I., Brittnacher, M., Parks, G., 1998. Characteristics of solar wind controlled auroral emissions, *J. Geophys. Res.* 103, 17543
- [16] Davis, J. D., Wild, M. N., Lockwood, M., Tulunay, Y., 1997. Ionospheric and geomagnetic responses to changes in IMF B_z : a superposed epoch study, *Annal. Geophysicae*, 15, 217-230.

- [17] Tulunay, Y., 1996. Interplanetary magnetic field and its possible effects on the mid-latitude ionosphere III, *Annali di Geofisica*, 39/4, 853-862.
- [18] Lyons, L.R., 1995, A new theory for magnetospheric substorms. *J. Geophys. Res.* A100, 19, 069
- [19] Hapgood, M. A., Lockwood, M., Bowe , G. A., Willis, D. M., Tulunay, Y. K., 1994. Variability of the interplanetary medium at 1 a.u. over 24 years: 1963-1986, *Planet. Space Sci.*, 39 (3), 411-423.
- [20] Kivelson, M. G., Russell, C. T, *Introduction to Space Physics*, 3rd Edt, Cambridge University Press, 1995
- [21] Tulunay, Y., 1994. Interplanetary magnetic field and its possible effects on the mid-latitude ionosphere II, *Annali di Geofisica*, 37/2, 193-200.
- [22] Tulunay, Y., 1994 Predictability of ionospheric variations for quiet and disturbed conditions, *J. Atmos. Terr. Phys.*, 57, 1469-1481
- [23] Koza, J.R., *Genetic Programming*, MIT Press, London, 1992.
- [24] Bradley, P. A., 1991. Improvemets in the propagation prediction method to be used for HF broadcasting, *ITU Telecommun. J.*, 58 (9), 558.
- [25] McPherron, R.J., Terasawa, T., Nishida, A., 1986. Solar wind triggering of substorm onset, *Journal of Geomagnetism and Geoelectricity*, 38, 1089
- [26] Nishida A., *Geomagnetic Diagnosis of the Magnetosphere*, Springer-Verlag, New York Heidelberg Berlin, 1978
- [27] <http://www.tp.umu.se/forskning/space/magnetosphere.jpg> (Last retrieved on 30 April 2007)
- [28] <http://nssdc.gsfc.nasa.gov/space/imp-8.htm> (Last retrieved on 3 June 2007)
- [29] http://www.ngdc.noaa.gov/stp/GEO MAG/kp_ap.shtml (Last retrieved on 4 June 2007)
- [30] http://www.gfz-potsdam.de/pb2/pb23/niemegk/kp_index/ (Last retrieved on 4 June 2007)
- [31] <http://www.spenvis.oma.be/spenvis/help/background/coortran/coortran.html#ILL> (Last retrieved on 14 June 2007)