

CURRICULUM VITAE

Name: William Jeffrey Hughes
Present Position: Professor of Astronomy, Boston University
Director, Center for Integrated Space Weather Modeling (CISM)
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Education

DATES	INSTITUTION	DEGREES AWARDED AND DATE
1968-71	Imperial College, Univ. London, U.K.	B.Sc., A.R.C.S., in Theoretical Phys, 1971
1971-74	Imperial College, Univ. London, U.K.	Ph.D., D.I.C., in Space Physics, 1974

Professional Appointments

2002-	Director, Center for Integrated Space Weather Modeling (CISM)
1997-2002	Chairman, Department of Astronomy, Boston University.
1990-	Professor, Department of Astronomy, Boston University.
1988-97	Director, Center for Space Physics, Boston University.
1984-90	Associate Professor, Department of Astronomy, Boston University.
1984-85	Visiting Fellow, The Blackett Laboratory, Imperial College, London.
1978-84	Assistant Professor, Department of Astronomy, Boston University
1976-78	Research Assistant, The Blackett Laboratory, Imperial College, London.
1975-76	Visiting Scholar and Assistant Research Geophysicist, IGPP, UCLA.
1974-75	Visiting Fellow, CIRES, University of Colorado/NOAA.

Selected Synergistic Activities

Chair: NSF Geospace Environment Modeling (GEM) Steering Committee. 1994-1997.
Member: American Geophysical Union, Budget and Finance Committee. 1996-2000.
Associate Editor: Journal of Geophysical Research, 1997-2001.
Coordinator: GEM Magnetosphere/Ionosphere Coupling Campaign. 1999-
Member: American Institute of Physics, Physics Resources Policy Committee. 2002-2005

Selected Publications

Hughes, W.J., Hydromagnetic waves in the magnetosphere, in *Solar-Terrestrial Physics: Principles and Theoretical Foundations* (R.L. Carovillano and J.M. Forbes, Eds.). D. Reidel, Dordrecht, 1983.
Hughes, W.J., and Sibeck, D.G., On the three-dimensional structure of plasmoids, *Geophys. Res. Lett.*, *14*, 636, 1987.
Moldwin, M.B., and Hughes, W.J., On the formation and evolution of plasmoids: a survey of ISEE 3 Geotail data, *J. Geophys. Res.*, *97*, 19259, 1992.
Hughes, W.J., The Magnetopause, Magnetotail, and Magnetic Reconnection, in *Introduction to Space Physics* (M.G. Kivelson and C.T. Russel, Eds.), pp. 227-287, Camb. Univ. Press., New York, 1995.
Murr, D.L., and W.J. Hughes, Reconfiguration Timescales of Ionospheric Convection, *Geophys. Res. Lett.*, *28*, 2145, 2001.
Zesta, E., W.J. Hughes, and M.J. Engebretson, A Statistical Study of Traveling Convection Vortices using MACCS, *J. Geophys. Res.*, *107*, 1317, doi:10.1029/1999JA000386, 2002.
Murr D.L., and W.J. Hughes, Solar Wind Drivers of Traveling Convection Vortices, *Geophys. Res. Lett.*, *30*(7), 1354, doi:10.1029/2002GL015498, 2003.