PhD STUDENTSHIP IN MAGNETOHYDRODYNAMICS

Applications are invited for a full-time PhD studentship in the Division of Mathematics, university of Dundee. This fully funded studentship will be in the field of Magnetohydrodynamics (MHD). Applicants must be UK citizens, or residents with EU citizenship. Depending on the interest of the student the project will involve mathematical and computational modelling of complex magnetic fields in astrophysics, with particular reference to magnetic fields in the solar corona.

The ideal candidate will have (or expect to gain) a good first or upper second class honours degree in mathematics or physics. Some knowledge of fluid dynamics and/or MHD and experience in numerics will be an advantage. The position is available to start at a mutually agreed date from September 2012.

The MHD group at Dundee presently consists of three permanent members of staff (Drs G. Hornig, D. Pontin and A. Wilmot-Smith), one STFC funded PDRA and one STFC funded PhD student. The group has access to a large parallel computing facility. Please see also our web page: http://www.maths.dundee.ac.uk/mhd/

For further information and details of how to apply please contact Dr Gunnar Hornig at gunnar@maths.dundee.ac.uk . To ensure that you are considered in the first selection round, please contact us by 13th of April 2012.