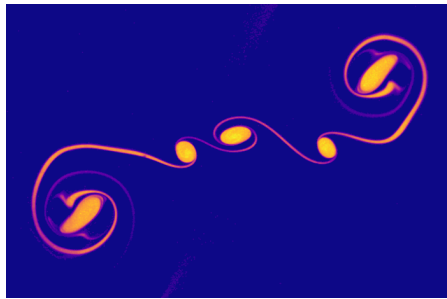


Postdoctoral Research Position

Vortex Dynamics in External Flows Using Magnetized Electron Plasmas



The University of California San Diego positron group (positrons.ucsd.edu) seeks a postdoctoral researcher to study two-dimensional fluid dynamics using trapped electron plasmas. In this system, electron density, which is the analog of vorticity, can be measured directly. The successful candidate will have an opportunity to do both experiments and complementary computer simulations. Phenomena of interest include spatial Landau damping, Kelvin-Helmholtz-like instabilities, vortex splitting and destruction, and driven vortex turbulence. A PhD degree in experimental science or engineering is required. A background in plasma and/or fluid physics is preferred. Interested parties should send a CV, a brief summary of research interests, and a list of three references familiar with the applicant's academic and research experience and abilities to csurko@ucsd.edu. UCSD is an equal-opportunity/ affirmative-action employer.