

Nicholas Brummell, Associate Professor
Applied Math and Statistics Department

Professor Nic Brummell specializes in geophysical and astrophysical fluid dynamics. In particular, Brummell has been studying the highly nonlinear magneto hydrodynamics of the interiors of stars like our Sun. Such studies demand the use of forefront supercomputing technology and so much of Brummell's research approach therefore revolves around the design, implementation, use and analysis of high resolution multi-dimensional numerical experiments, coupled with more simple modeling, analytical work and graceful visualization.

He received his PhD in Applied Mathematics, First Class, from Imperial College, London, UK in 1988.

He began his position in the Applied Math and Statistics Department January 2007

Brummell is a member of the Pleiades Supercomputing Committee, and is one of the original users of that fantastic local supercomputing resource. Brummell is working closely with Stan Woosley and Sandy Faber and other members of the Astrophysics Department to forge a center for computational astrophysics here at UCSC, and in particular to form a new initiative in graduate studies to teach the complexities of supercomputing.