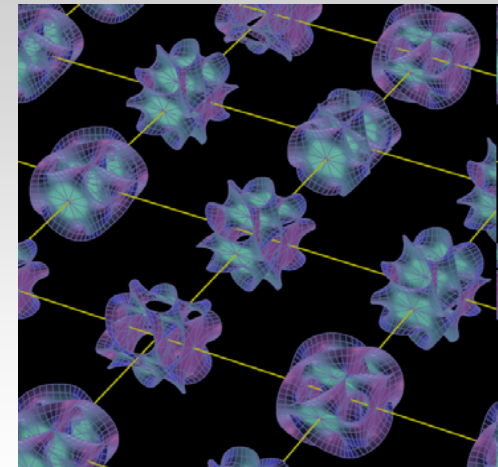
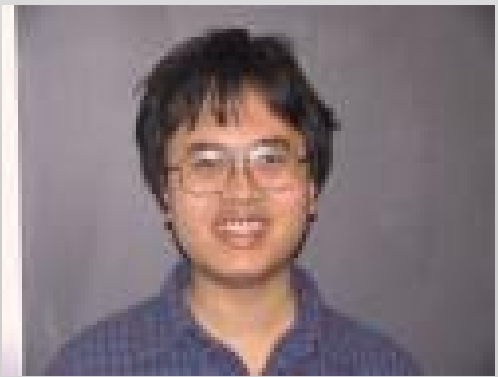


CU Physics Department Colloquium

Monday, April 11, 2011 4:10 PM 428 Pupin Hall

Viscosity, quark gluon plasma, and string theory

Viscosity is a very old concept which was introduced to physics by Navier in the 19th century. However, in strongly coupled systems viscosity is extremely difficult to compute from first principles. In this talk I will describe some recent surprising developments in string theory which allow one to compute the viscosity for a class of strongly interacting fluids not too dissimilar to the quark gluon plasma. I will describe efforts to measure the viscosity and other physical properties of the quark gluon plasma created in heavy ion collisions.



Dam Thanh Son, University of Washington