BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

TO SEE A WORLD IN A GRAIN OF "SAND" IN CONFORMAL FIELD THEORIES

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Feb 13, 2013, 4:00 – 5:00pm
Math/Computer Science, Room 148
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

Abstract: Conformal field theory is a very mysterious object in mathematics. I will review recent progress on the mathematical foundation of rational open-closed conformal field theory. Besides basic definitions and constructions, a few important properties, such as the boundary-bulk duality (or open-closed duality) and the duality-defect correspondence, will be emphasized. I will also argue that conformal field theory provides a new geometry, in which we will be able to see a world in a grain of "sand".

See `http://math.bu.edu/research/geom/seminar.html` or contact Si Li *sili@math.bu.edu* for more information.