

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

GEOMETRY OF HYPERFIELDS

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October 4, 2017, 4:00 – 5:00pm
Math/Computer Science, Room 148
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

Abstract: Recently, M. Baker and N. Bowler introduced the notion of ‘matroids over hyperfields’ to unify various generalizations of matroids. Motivated by the work of Baker and Bowler, in this talk, we introduce basic definitions and examples of hyperfields and illustrate how hyperfields can be employed to show that certain topological spaces (underlying topological spaces of schemes, Berkovich analytification of schemes, and real schemes) are homeomorphic to sets of rational points of schemes over hyperfields.

See <http://math.bu.edu/research/geom/seminar.html> or contact Yoosik Kim (yoosik@bu.edu) or Siu-Cheong Lau (lau@math.bu.edu) for more information.