BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

CHAIN INTEGRAL SOLUTIONS TO GKZ SYSTEM

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October 21, 2015, 4:00 – 5:00pm
Math/Computer Science, Room 148
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

Abstract: I will discuss a geometric description of all solutions to the GKZ (Gel'fand, Kapranov and Zelevinski)-hypergeometric system in the context of toric geometry, which in particular include solutions which are not period integrals. Some analogous results for homogeneous variety will also be mentioned. Proof is based on the theory of algebraic D-modules. This is recent joint work with B.-H. Lian, S.-T. Yau, and X.-W. Zhu.

See `http://math.bu.edu/research/geom/seminar.html` or contact Siu Cheong Lau *lau@math.bu.edu* for more information.