

1154-14-1703 **Matt Kerr*** (matkerr@wustl.edu), Dept. of Mathematics and Statistics, 1 Brookings Drive,
Campus Box 1146, St. Louis, MO 63130-4899. *Specialization of cycles at conifold points.*

Families of toric hypersurfaces admit natural families of motivic cohomology classes arising from the torus. The resulting *higher normal functions* are closely related to solutions of GKZ systems, Feynman integrals, and even the irrationality of $\zeta(3)$. In this talk we consider the role played by their values at conifold points and how these give evidence for a conjecture in topological string theory. (Received September 16, 2019)