



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Mathematics Colloquium

March 4, 2021

Interpolation, q -difference equations, and curve countings

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Abstract. There is an interesting topology behind such classical questions as interpolation and solving linear q -difference equations by integrals. It has to do with counting algebraic curves in some very specific geometries, which can be also phrased as computing indices in certain $(2+1)$ dimensional supersymmetric QFTs. The talk will be an introduction to this circle of ideas.