

BI-CO MATHEMATICS COLLOQUIUM

Joel Lewis

George Washington University

“q-analogues”

Monday, December 5, 2022

Talk at 4:00 – Hilles 109

Tea 3:30 – Foyer outside of H109

Abstract:

In this talk, we'll discuss how to count things (like permutations), how to q-count them (by keeping track of a combinatorial statistic), and how to q-count them in a completely different way (by "categorifying" to an analogous linear algebra problem). Somewhat remarkably, the two q-counts sometimes give the same answer.