

Mathematical Colloquium

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**WHY TRACE FORMULAE –
WHAT ARE THEY,
WHAT ARE THEY GOOD FOR?**

TRACE FORMULAE ARE ONE OF THE MOST IMPORTANT TOOLS IN A LARGE NUMBER OF FIELDS RANGING FROM QUANTUM CHAOS VIA SPECTRAL GEOMETRY, GRAPHS AND NUMBER THEORY. HERE, WE PRESENT ONE OR TWO RATHER UNCONVENTIONAL TRACE FORMULAE FOR HERMITIAN MATRICES WHICH GENERALIZE PREVIOUSLY DERIVED EXPRESSIONS FOR QUANTUM AND COMBINATORIAL GRAPHS.

November 18, 2020 @ 13:00 – Zoom

