## A Love Affair with Graph Polynomials

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Back many years ago (in my undergraduate days!) I fell in love with graph polynomials, starting with chromatic polynomials and moving onto network reliability, independence polynomials and more. They were simple in presentation but sophisticated in their properties and in the way that they intertwined graph theory, algebra and analysis. And among their most enticing attributes were the nature and location of their roots. In this talk I will explain why graph polynomials' songs are so compelling that once hearing them, like me, you may not be able to break free.

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