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Amy Streifel* (amystreifel@gmail.com). *Skew Adjacency Matrices of Cacti*.

What happens when we add the idea of directing the edges of a graph when looking at its adjacency matrix? One possible interpretation of this situation leads to the interesting world of skew adjacency matrices, and from them the skew characteristic polynomials and skew numbers of graphs. In this talk we look at the skew adjacency matrices of a specific family of graphs called cacti, and try to discover how many possible skew characteristic polynomials one can get from a single graph. (Received February 28, 2017)