Undergraduate Math and Physics Seminar

The Interlace Polynomial of the Friendship Graph

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Abstract: Sequencing by hybridization is a method of reconstructing a long DNA string from its nucleotide sequence. Arratia, Bollobas, Coppersmith and Sorkin answer an important question related to DNA sequencing by introducing the interlace polynomial, a polynomial that represents the information gained from doing the "interlace" process on the graph. In this talk, I introduce the interlace polynomial of a graph. I will present results giving the interlace polynomial for the class of Friendship graphs, graphs that satisfy the Friendship Theorem given by Erdos, Renyi and Sos.

When: Wednesday, March 28, 2016, 4:30-5:20 pm
Where: CSUCI, Del Norte 1530