

Meeting: 1003, Atlanta, Georgia, SS 34A, AMS Special Session on Algorithmic Algebraic and Analytic Geometry, I

1003-14-1650 **Ruffo James*** (jruffo@math.tamu.edu). *A Refinement of the Shapiro Conjecture in Enumerative Geometry*. Preliminary report.

The Shapiro conjecture asserts that all solutions to real systems of polynomial equations arising from a certain class of problems in enumerative geometry are real. It has been proven in certain cases, but is known to be false in general. However, extensive computational investigation has led to a very interesting refinement of the original conjecture. (Received October 05, 2004)