1154-90-1232   **Edward D Kim*** (`ekim@uwlax.edu`), 17225 State Street, La Crosse, WI 54601. *Proving a variant of a polynomial positivity conjecture.*

The non-negativity of a multivariate polynomial can be shown via sum of squares optimization, solved by semidefinite programming. This talk will revisit a result of Stahl of polynomial positivity. Approaches to the proof using sum of squares techniques had been considered: in this talk, we prove a slight variant result using sums of squares. (Received September 14, 2019)