1125-11-953 **Sandie Han**, **Ariane M Masuda**, **Satyanand Singh** and **Johann Thiel***, 300 Jay St., Brooklyn, NY 11201. *The growth of coefficients in certain PLFT (u, v)-Calkin-Wilf trees.* Preliminary report.

A positive linear fractional transformation (PLFT) is a function of the form $f(z) = \frac{az+b}{cz+d}$ where a, b, c, and d are nonnegative integer coefficients with determinant $ad - bc \neq 0$. Nathanson defined a PLFT (u, v)-Calkin-Wilf tree, with u, v positive integers, as an infinite rooted binary tree where every vertex is labelled by a PLFT using a simple set of rules. If a vertex is labelled by the PLFT $f(z)$, then the left child of the vertex is labelled by $L_u(f(z))$ and the right child is labelled by $R_v(f(z))$ where $L_u(z) = \frac{z}{uz+1}$ and $R_v(f(z)) = z + v$. In this talk we study the size of the coefficients of PLFTs appearing in certain PLFT (u, v)-Calkin-Wilf trees. This is joint work with Sandie Han, Ariane M. Masuda, and Satyanand Singh (Received September 13, 2016)