1106-11-2427 **Sandie Han**, **Ariane Masuda*** (amasuda@citytech.cuny.edu), **Satyanand Singh** and **Johann Thiel**, Department of Mathematics, New York City College of Technology, CUNY, 300 Jay Street, Brooklyn, NY 11201. *The Calkin-Wilf Tree for Linear Fractional Transformations.* Preliminary report.

The Calkin-Wilf tree is an infinite binary tree whose vertex set consists of all positive rational numbers. Recently, Nathanson introduced the linear fractional transformation analogue of the Calkin-Wilf tree. He showed that the set of positive linear fractional transformations can be partitioned into an infinite forest of infinite binary trees defined by the Calkin-Wilf tree generation rule. We will discuss some properties of this forest, including some applications of continued fractions. (Received September 16, 2014)