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Satyanand Singh (ssingh@citytech.cuny.edu) and **Johann Thiel***
(jthiel@citytech.cuny.edu), 300 Jay St., Brooklyn, NY 11201. *Maximal and Average Behavior
of Elements in (u, v) -Calkin-Wilf Trees*. Preliminary report.

The Calkin-Wilf tree is an infinite binary tree enumerating the positive rationals that has many interesting properties. In particular, one can compute the maximal and average values of elements of a fixed depth in the tree. In this talk we will extend these results to a generalization, due to Nathanson, of the Calkin-Wilf tree referred to as the (u, v) -Calkin-Wilf tree for positive integers u and v . (Received September 25, 2018)