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Timothy B Flowers* (flowers@iup.edu) and **Shannon R Lockard**
(shannon.lockard@bridgew.edu). *Properties of rational numbers on an m -ary tree.*

We recently introduced an m -ary tree with rational labels which is a generalization of the Calkin-Wilf tree. Similar to the connection between the Calkin-Wilf tree and the hyperbinary sequence, we showed that there is a relationship between this m -ary tree and hyper m -ary partitions. We used the structure of the tree to show several properties of the hyper m -ary integer partition sequence. In this talk, we will discuss additional properties of the m -ary tree, as well as how these properties relate to counting hyper m -ary partitions. (Received September 16, 2014)