

1112-05-395

Martin Merker and **Luke Postle*** (lpostle@uwaterloo.ca), 200 University Ave West,
Waterloo, ON N2L 3G1, Canada. *Bounded Diameter Arboricity*.

We discuss the notion of bounded diameter arboricity, wherein the edges of a graph are partitioned into forests of bounded diameter. We prove that a graph of arboricity $k \in \{2, 3\}$ has bounded diameter arboricity at most $k + 1$. We conjecture that this holds for all larger k . (Received August 09, 2015)