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*Diametral Broadcast Graphs*

The paper studies the family of graphs for which the broadcast time equals to its diameter. Such graphs are called *diametral broadcast graphs (dbg)*. Broadcasting is the process of message dissemination from an originator vertex of a given graph to all the vertices of the graph. It is known that  $D + 1 \leq n \leq 2^D$  for a graph on  $n$  vertices and of diameter  $D$ . To cover all possible values of  $n$  and  $D$  three different graph constructions are presented. It is interesting that every vertex in these graphs receives the message from given originator via a shortest path.