multiple radii. Preliminary report.
In this research, we consider extremal coin graphs in the Euclidean plane. The problem of determining the maximum number of edges of a unit coin graph on $n$ vertices has been solved previously by Heiko Harborth. We generalize the problem to coin graphs with multiple possible radii. A motivating problem is a special case of a coin graph with two possible radii. (Received August 13, 2010)

