

Some Structural Properties of Visibility Graphs

Jay Bagga
Department of Computer Science
Ball State University

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Abstract

For a (closed and simple) polygon P , the (internal) visibility graph of P is the graph which has vertices as those of P , with two vertices adjacent if the line segment connecting them does not intersect the exterior of P . We call such graphs *polygon visibility graphs*.

We present a brief survey of our recent research related to properties of visibility graphs. We also discuss our current research in this area.

Joint work with John Emert, J. Michael McGrew, and Frank Owens