Abstract

Generally curve may be generated as a sequence of many small lines; some curves like circle, parabola, ellipse, in particular can be generated with help of D. D. A. algorithm and other special algorithms. There are two main recursive algorithms for scan conversion of the circle on computer screen, the Bresenhams and the Midpoint circle generating algorithm both are pixel based; in this paper we are presenting a recursive new approach for scan conversion of the circle. The pixel in one octant has been determined with help of this algorithm and rest of the parts of the circle will be generated with help of symmetry.

References

- Kulpa, Z. &apos;A note on the paper by B. K. P. Horn. , 1979 &quot;Circle generators for display devices,&quot; Computer Graphics and Image Processing, vol. 9, pp. 102-103.
A New Dynamic Programming Approach for Scan Conversion of a Circle

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Scan conversion  decision parameter  real theoretical point  mid point algorithm