

Weighted Voronoi Stippling

Weighted Voronoi Stippling: Methods & Applications in Computational Geometry

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Stippling is an artistic technique in which images are illustrated and shaded using only points. No lines are used. In my talk, we will be computer generating stipple art, in a process known as Lloyd's Algorithm. In order to understand Lloyd's Algorithm, I'll be introducing its component concepts, which include Voronoi Diagrams, density and centroids. After presenting the process, we will stipple some examples in real time with our computer program implemented in Javascript.

