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Ned W Allis, Jeffrey P Dumont and **Clifford A Reiter*** (reiterc@lafayette.edu),
Department of Mathematics, Lafayette College, Easton, PA 18042. *Visualizing point sets, fractals
and quasicrystals with raster tilings.*

Raster algorithms for creating tilings allow for the visualization of fairly general point sets. Techniques developed by a group including undergraduates involve the creation of a potential field and from that the Voronoi tiling. With these techniques, familiar fractals take on surprising forms and less familiar Delone sets and quasicrystals may be effectively explored. (Received September 15, 2000)