













## Theorem

- Let S be a point set with Voronoi diagram Vor(S). A point v is a Voronoi vertex of Vor(S) if and only if there exists an empty circumcircle centered at v of three or more sites.
- Let *e* be a connected subset of the bisector between sites *p* and *q* of *S*. *e* is a Voronoi edge of *Vor*(*S*) if and only if for each point *x* in *e*, the circle centered at *x* through *p* and *q* is empty in its interior and boundary.











## Fortune's

- Applet (University of Copenhagen)
- YouTube video

## Dynamic Voronoi

- Particles
- <u>Swarm</u>
- Personal space