546 Final Project

**Fortune's Algorithm Visualization**

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1. Description

We are trying to show the visualization of Fortune’s algorithm base on Javascript and Jsxgraph library.

1. Background

Fortune's algorithm is a sweep line algorithm for generating a Voronoi diagram from a set of points in a plane using O(n log n) time and O(n) space. In this project, we build a web applet utilizing Fortune’s algorithm and visualized each step of which.

Assumptions for our applet to work: points must in general position (random generation may draw degenerated cases, if happened please regenerate point). Please run server.js first then visit url http://localhost:3000/. Our application relies on bootstrap and Jsxgraph library.

1. Pseudo-code
2. Interesting choices