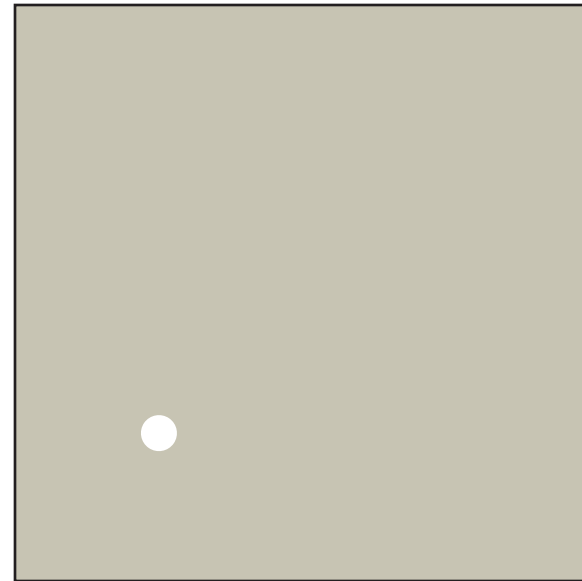
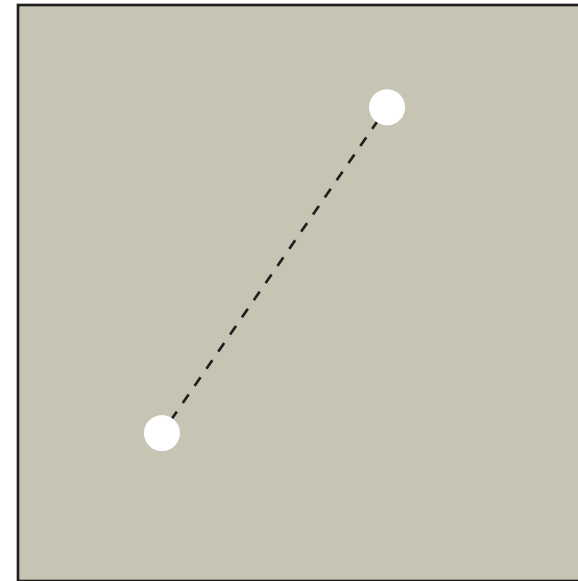


# HOW VORONOI DIAGRAMS WORK

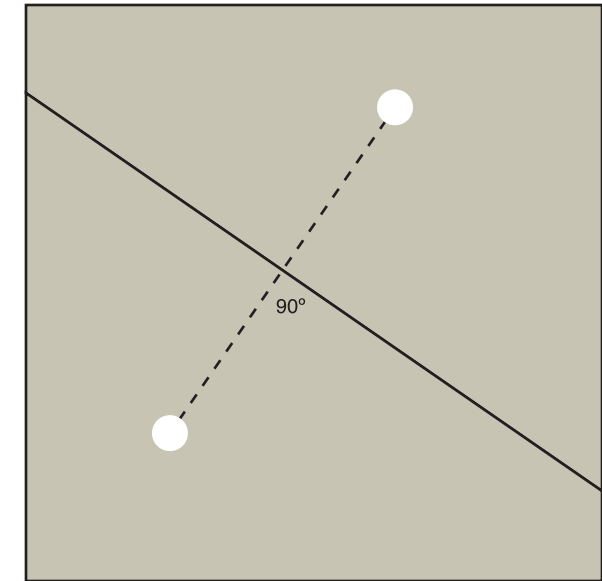
Jeff Thompson | [www.jeffreythompson.org](http://www.jeffreythompson.org)



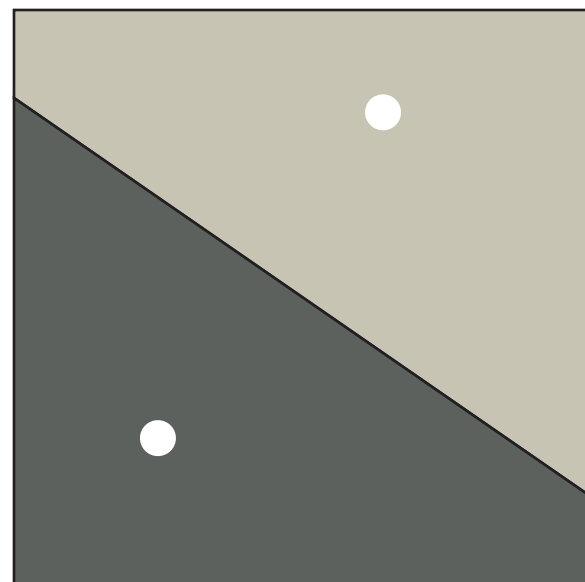
Draw a single dot anywhere on a plane



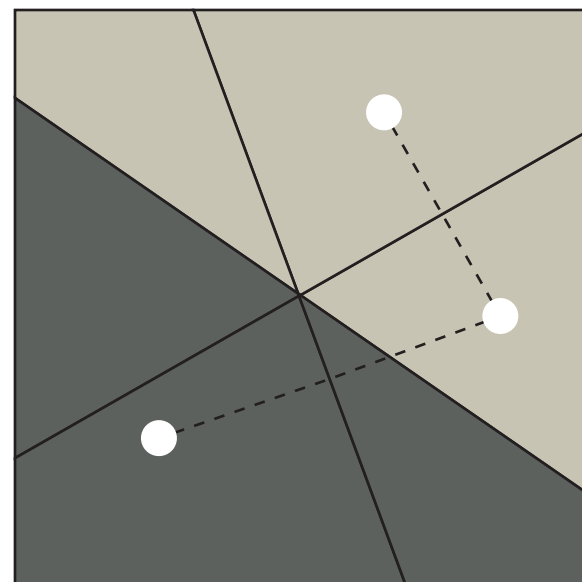
Draw a second dot anywhere and draw a line connecting the dots' centers



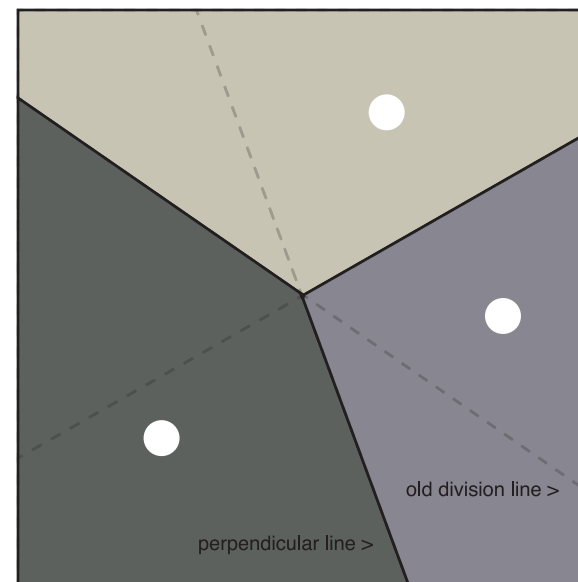
At the midpoint of the line between the two points, draw a line that is perpendicular and extend to the edges of the plane



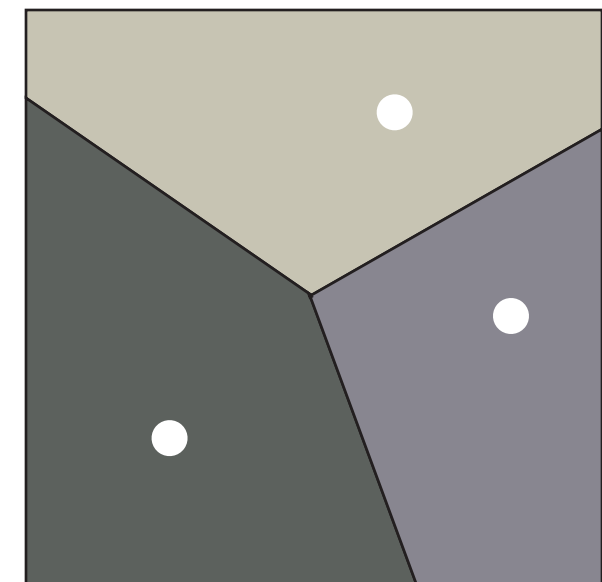
Split the plane along this line



Draw a new point anywhere on the plane; the process is repeated, though a line is now drawn between the existing two points and extended to the edges



The plane is one again split - the plane containing the dot is retained, as are any neighbors between the dot and the newest perpendicular lines



All done!