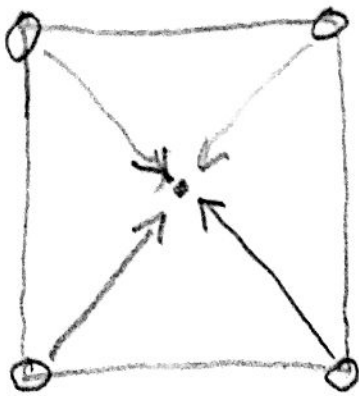
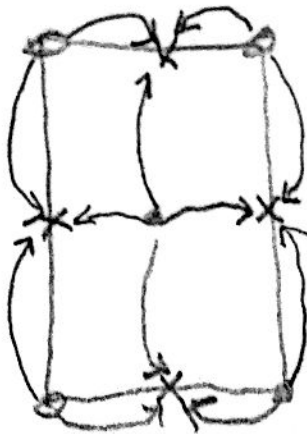


Diamond  
Square  
Algorithm

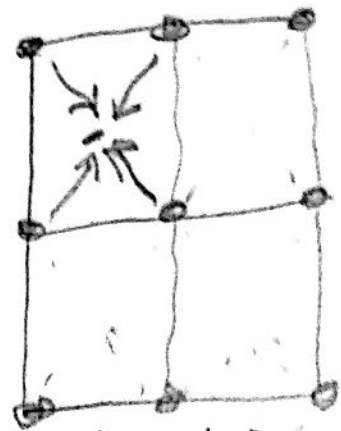
for Plasma  
Fractals



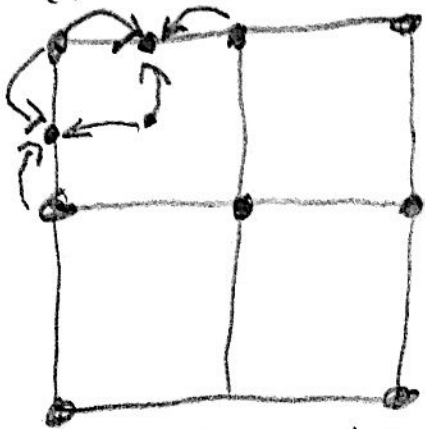
- 1 Start with corners
- 2 Average corners to get center  
(Include error in Avg!)



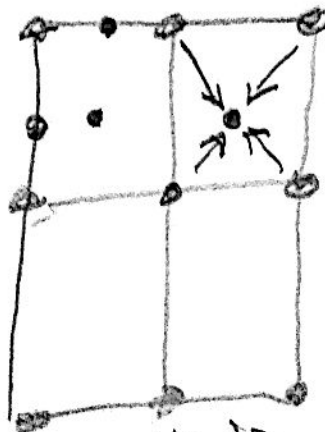
- 3 Use center and corners to calc edges



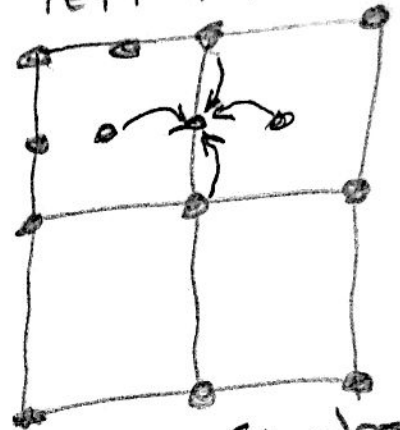
- 4 Quarter
- 5 Start at top left & find center



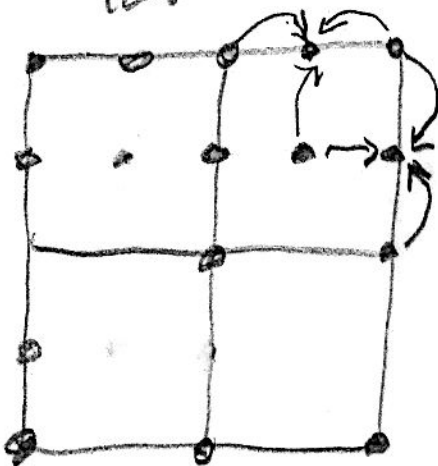
- 6 Find top & left edges, Leave bottom & right for later



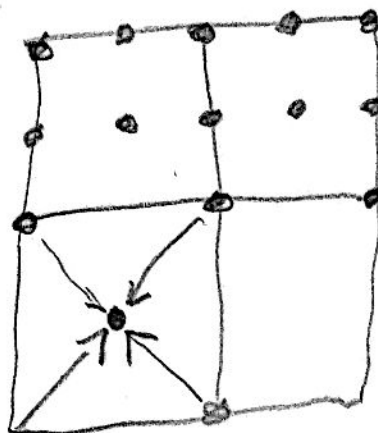
- 7 Next do center of top right



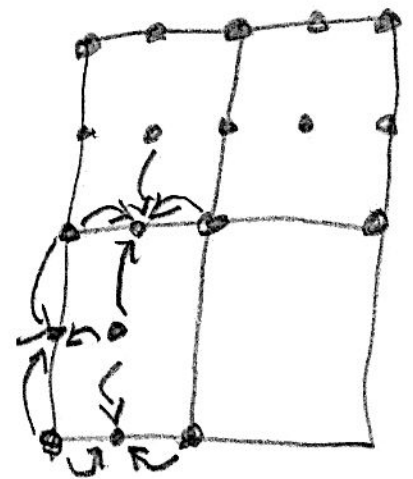
- 8 Do left edge using both centers



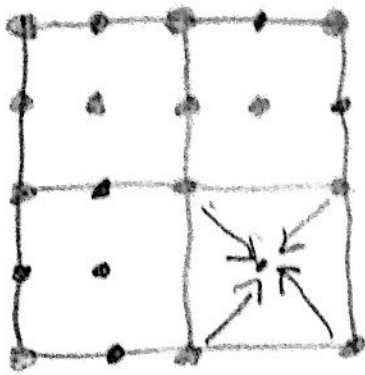
- 9 Do Top & Right leave bottom for later.



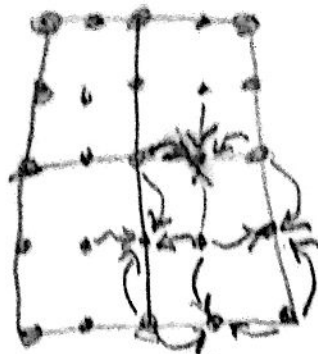
- 10 Next work on Bottom Left - add center



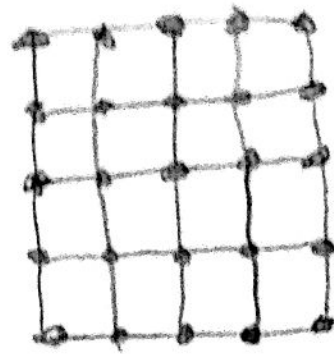
11. Do Top, left & Bottom. leave right for later.



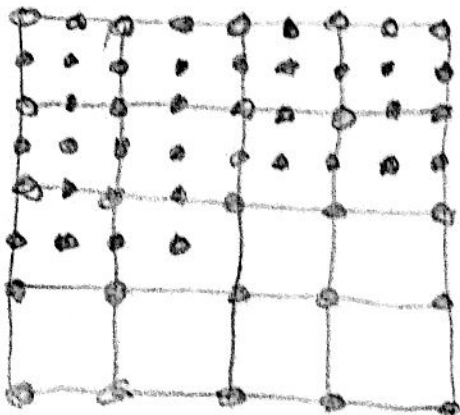
12 WORK ON  
Bottom Right  
Next - add  
center



13 Fill in  
all edges



14 Divide up  
the 4 squares  
into quarters



15 keep working  
UNTIL all pixels  
are filled