Neurons & Convexity,

## UW Math How

Meurons, navigation and convexity

Nora Youngs

What is a neuron?



























## 9,586,000,000



## 71,000,000



302



84000000000



500,000,000



2 57,000,000,000











250,000





Loki









## Hippocampal place cell in 3D arena

















1,2 > No matter how you draw these regions C with convex sets) be will see the gap? 34

For convex sets, the data list ALWAYS tells us how many "forbidden areas" we have (If the whole room has been explored)











Example: Size





information, the list

Example : Exact shape









- Rats have a large chunk of their brain just for processing information from their whiskers! I have nice 0003 whiskers too!)

