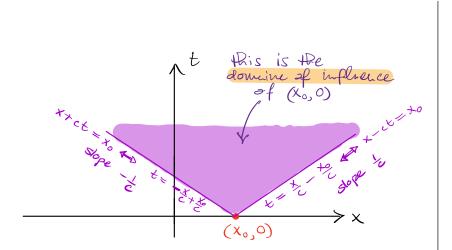
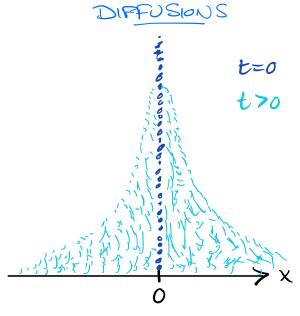
2.5 Compasison of Waves and Diffusions

WAVES



① Signal travols at speed ≤ C

- 2 Singularities propagate
- 3 Evergy conserved
- 4 No maximum principle



Signal spreads at infinite speed

Singularities immedately disappear

Energy decays

Maximum principle

There are offer important differences, mainly that the wave equation is time reversible and the diffusion equation isn't, but we are focusing on that in this semester. You can read about this in the bake.