

MATH 242 — 21 Nov. 2025

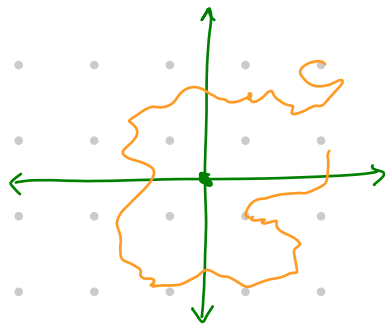
1D Random Walks



- Avg. dist. from origin after N steps is proportional to $\sqrt{N}$
- Recurrent: return to origin infinitely many times

2D Random Walks

- Avg. dist. from the origin after N steps is proportional to $\sqrt{N}$
- Do 2D random walks return (frequently?) to the origin?



RANDOM WALK PROJECT:

