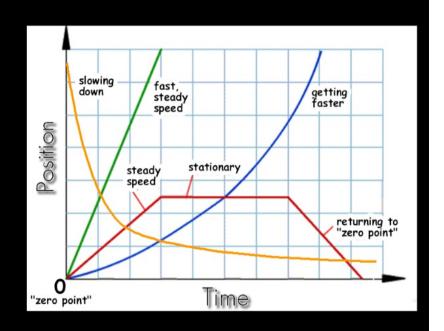
4.6.20

Graphing: PT Graphing 2

Today's Objectives:

- Learn all 7 PT graphs
- Solve 'racing' problems
- Use computer software to get slope
- · and intercept

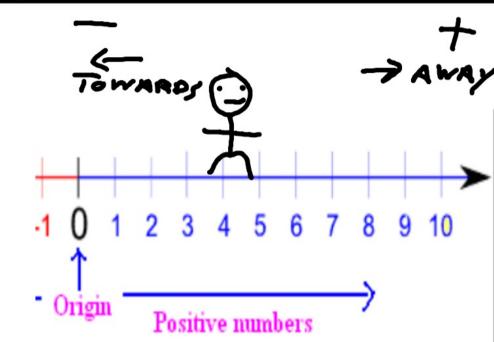


- Cruise Control is also known as

The slope of a P/T graph is its Velocity.

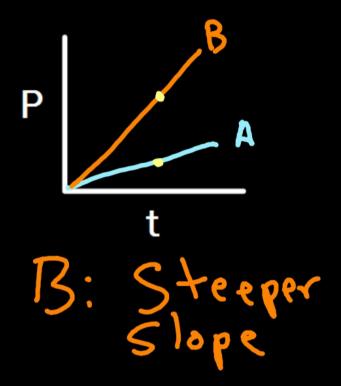
What are the 7 ways to move along a line?

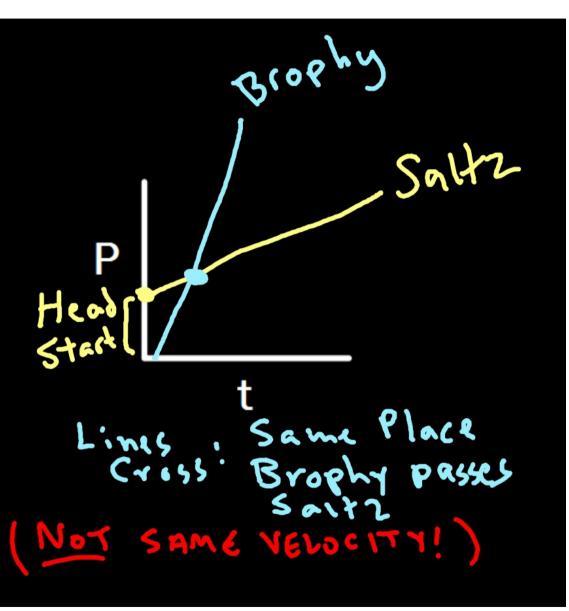
- 1. Still
- 2. CV-Away
- 3. CV-TOWARDS
- 4. Speed Up Away
- 5. Slow Down
- 6. Speek Up Towarks
- 7. Slow Down Towards

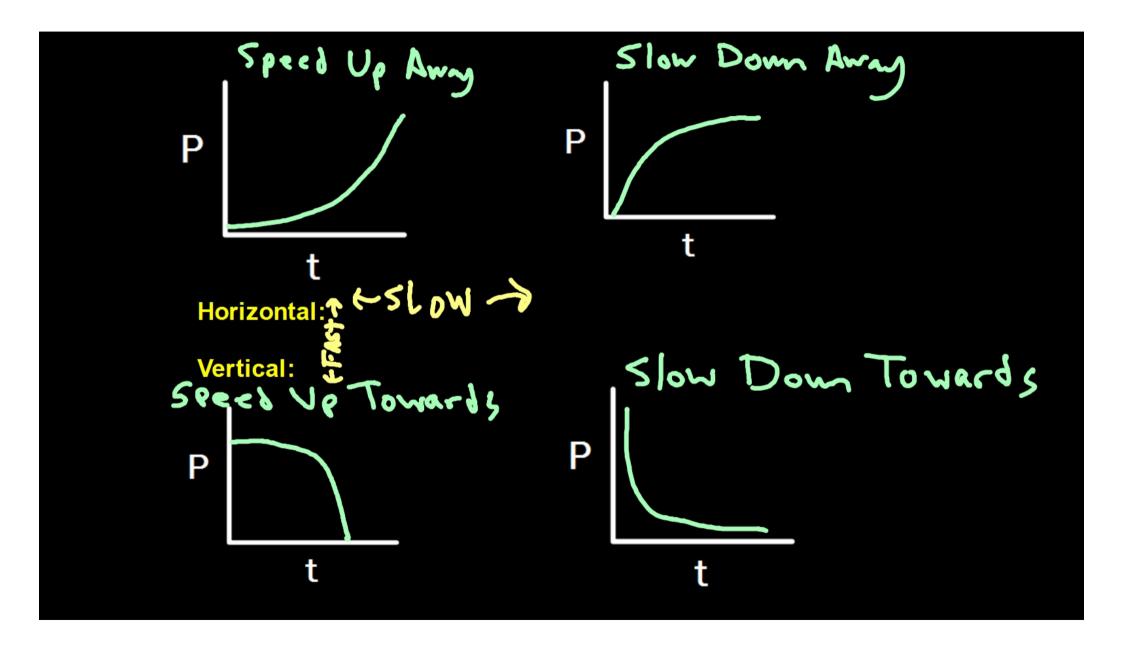


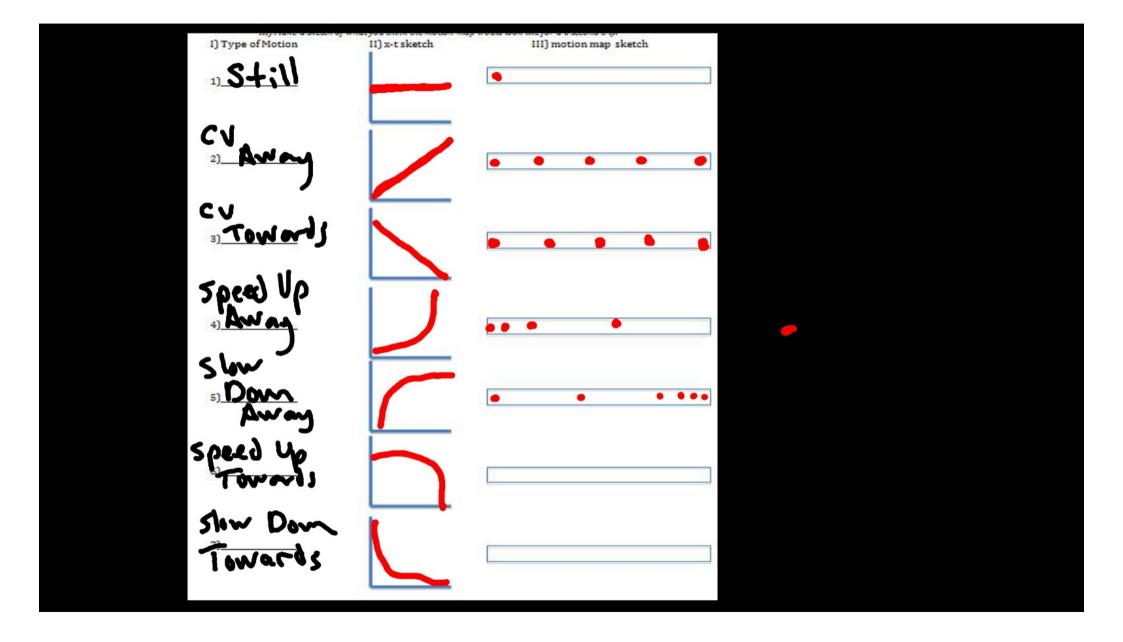
"Racing" Questions

Which car is moving faster, A or B?





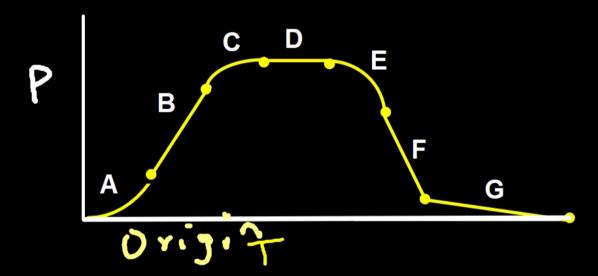




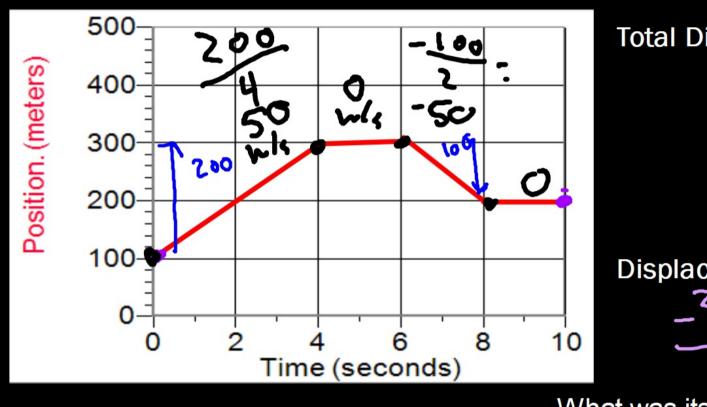
Identify the regions where:

- 1. Velocity is constant BDFG
- 2. Velocity is changing ACE
- C3. + velocity ABC
- ~4. velocity EF G
- 5. Speeding Up A E
- 6. Slowing Down
- 7. Moving Away from Origin
- 🔌8. Moving Towards Origin





Finding total distance and displacement on a PT graph



Total Distance 100 300~

Displacement



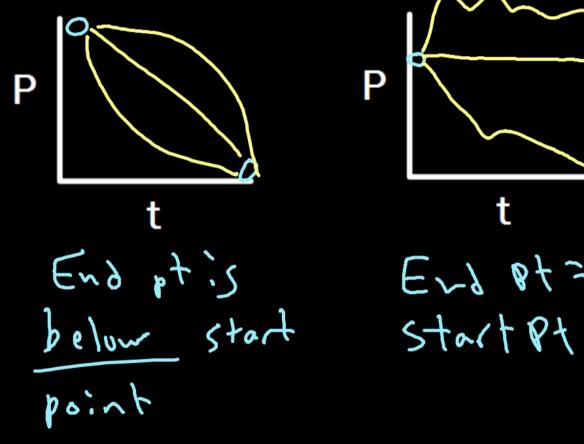
What was its velocity in each stage?



+ Displacement



- Displacement



0 Displacemen