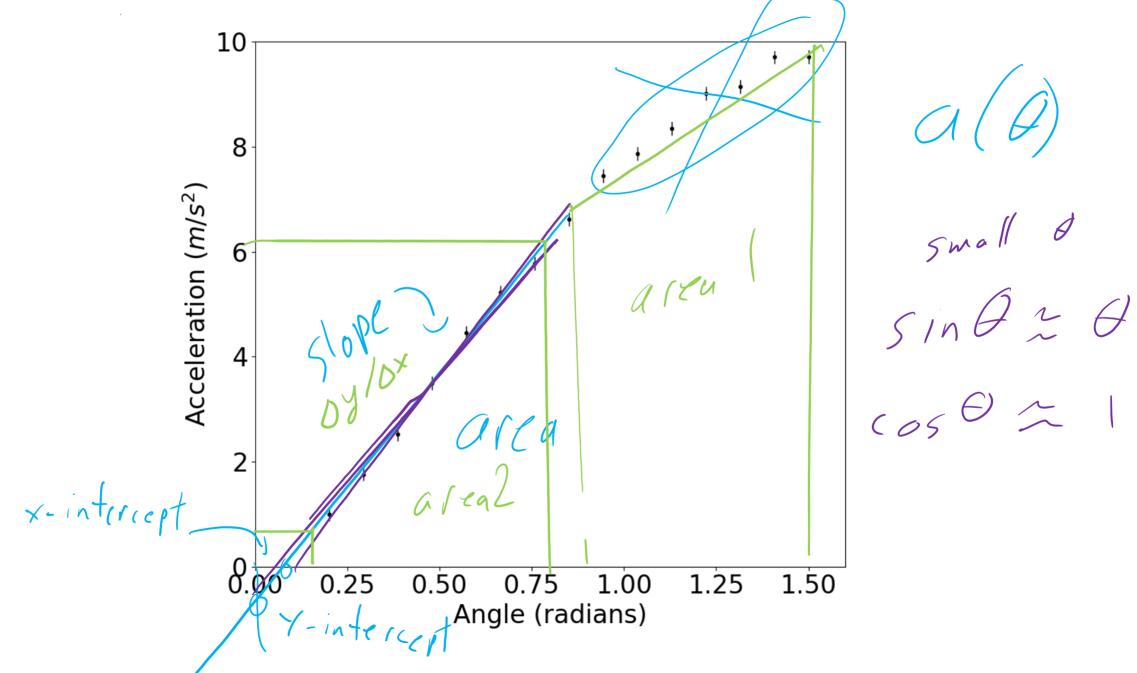
Data Analysis Question: What's the coefficient of friction?



Chapter 8 – Dynamics in 2D

- Uniform/Nonuniform Circular Motion
- Centrifugal (fictitious) force



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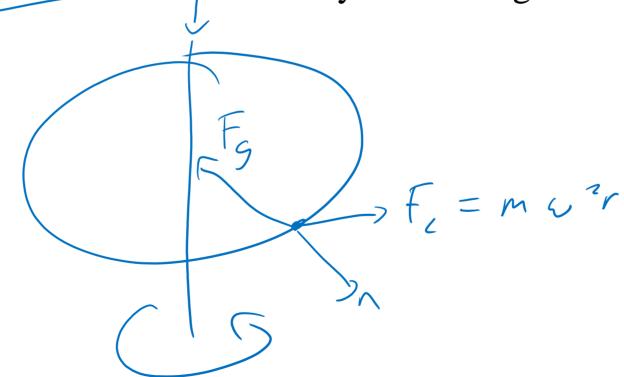
Modeling Question:

What's the maximum speed of walking?

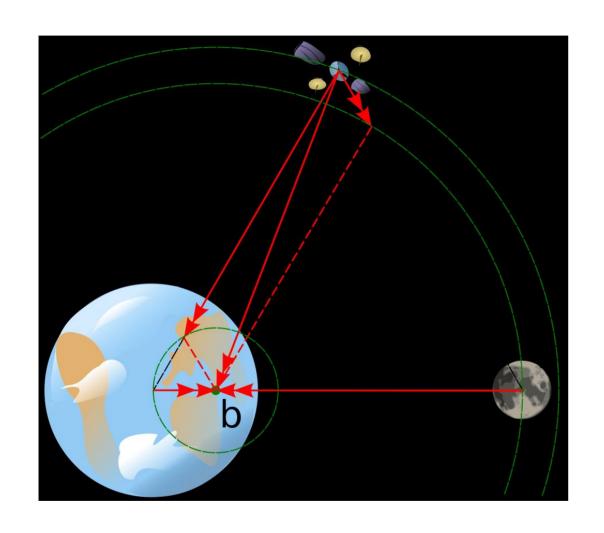
circular motion y: my-n=m/2/R critical case - n = 0 p(q = p(0))/R $V^2 = gR \rightarrow V = JgR$ R~1.2m -> V~ 3,5 m/s

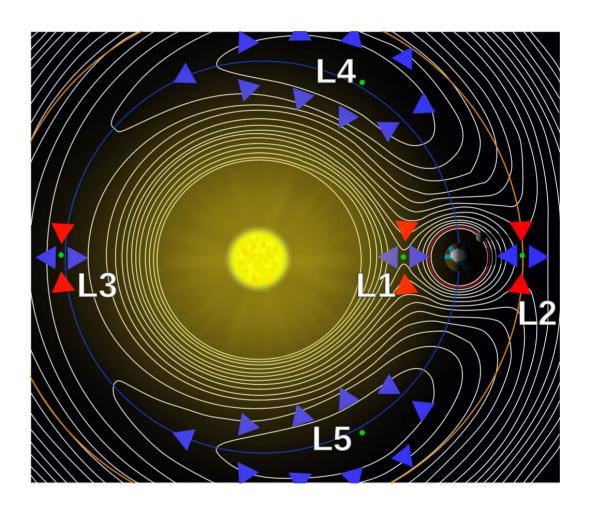
Centrifugal force

- Pick a rotating reference frame
- Find the axis of rotation
- Apply Newton's second law
- Add the Centrifugal force ($m\omega^2$ r pointed away from axis)
- The resulting acceleration is correct relative to your rotating reference frame



What are Lagrange points?





Team Up Questions

366-3271700 $34h-360)^{3}\times245$