DATED HISTORY

2008 physics notebook - I Find Myself Asking Why Is This

Scan of the 2008 physics notebook. The complete scan, partial page groups and transcription preserve the early formulation.

Manuscript · Scanned notebook

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Evidence · Live publication library

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Objects at high velocities have higher masses so go through time more slowly. (time dilation)

If the moon weren't orbiting and opposing gravity with high velocity, ~~measured as the centrifugal force oppos~~ it would have hit us by now, and we the sun.

I find myself asking: Why is this necessary to think about and is it significant?

Necessary? Yes, because there is no theory of gravity or where it "comes" from. There are no "graviton" particles or anything. To the left and on the preceding page are very basic beginnings to a gravity-time theory.

Significant? Only I can decide for myself, for you.

QED already describes light, energy, and matter (using time of course as a manmade crutch) Feynman deliberately skips talking about gravity though because it is ?unrelated? (seemingly)

With time-gravity theory how are things on the quantum level sorted? what happens? Why is the gravitational force SO weak compared to electromagnetic forces?

Single particle (electron/photon) only has a probability amplitude until it is measured (location/velocity) A flow of current or light, trillions of photons and/or electrons we perciere as having a definite location

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because the vast majority of those trillions of particles are following their most probable course, but some are not. They are too improbable to be detected.

What if only percievable organizations of matter are affected by time, and thus gravity? Is that why on the quantum scale we see no gravity? because the time differences being worked with are so minute, that in addition to the incredibly small particles probabilities amplitudes being so chaotic time is not a factor so neither is gravity.

any chimp can play human for a day -Rilo Kiley-

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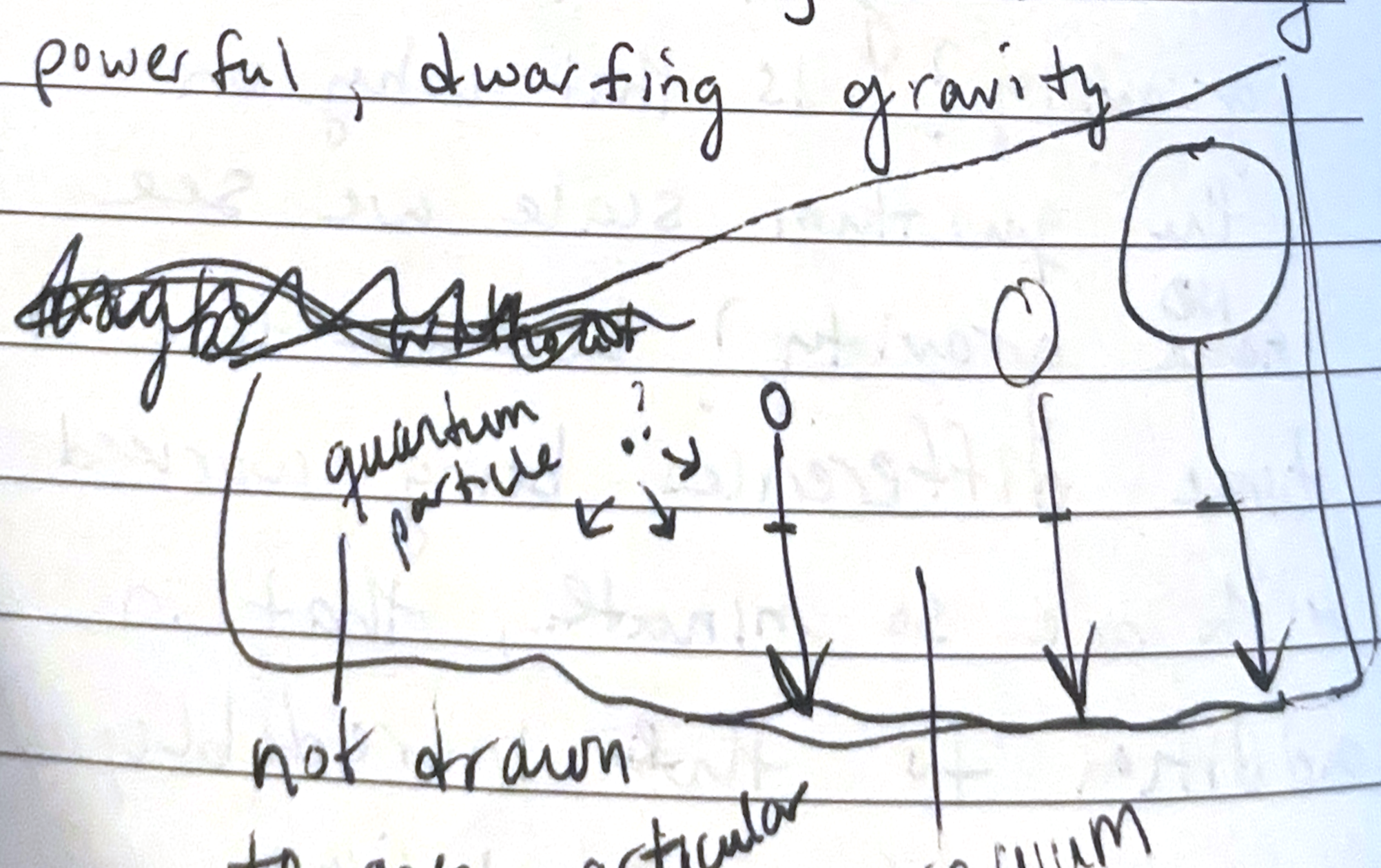
It seems ~~[illegible]~~ egocentric to think that our perception influences Nature, so maybe it is Nature herself who determines when something is organized enough to actually begin its journey through time.

TOO poetic, assumes "higher power"

Em forces could just be really powerful, dwarfing gravity



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Sketch with spacetime drawn

out on the previous page

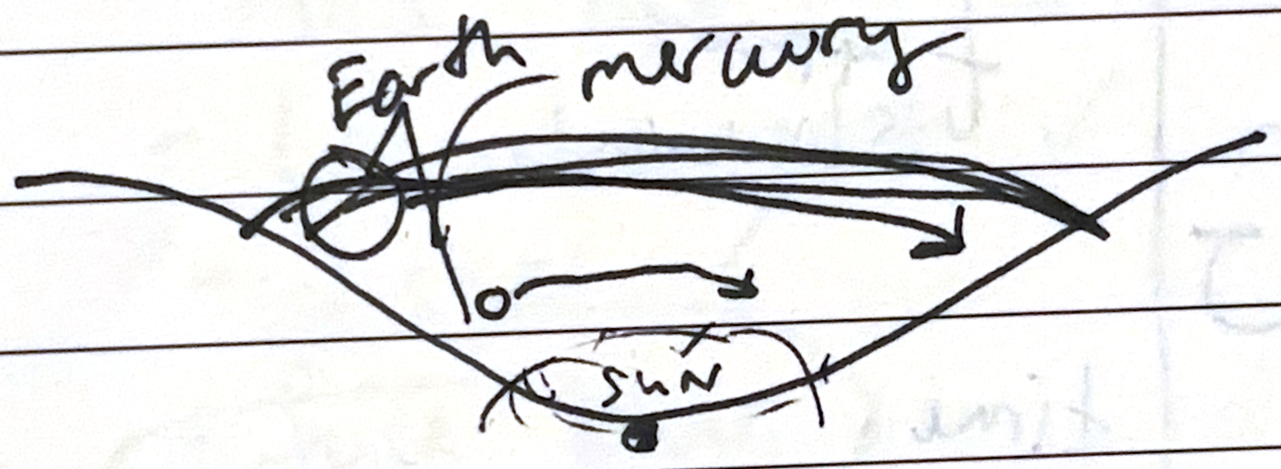
it is apparent that at "the bottom"

there must be a point of singularity.

where time stands still, gravity

is at a maximum. As

is the case for a blackhole



gravity and spacetime play out

on a massive scale.

at the quantum scale w/

probability amplitudes God

KINDA plays dice, but it is a

game that makes sense (Feynman describes well)

When the probability arrows begin

getting really redundant you leave the

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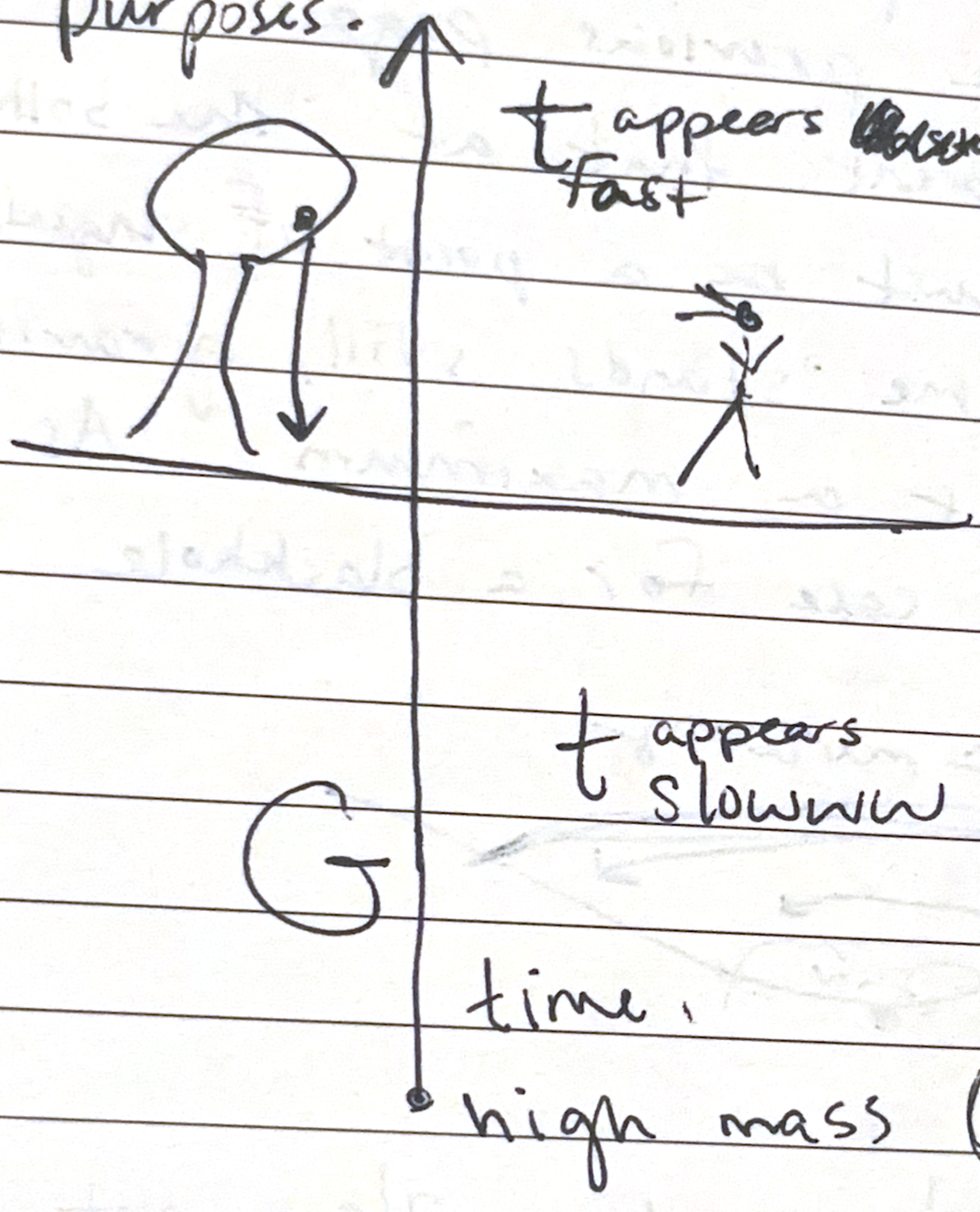
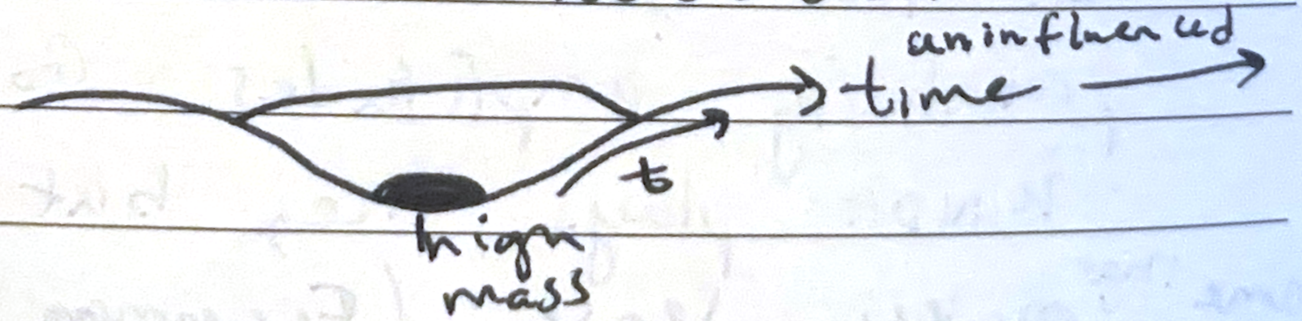
quantum world, for all intents and purposes.



time radiates out from all mass



To do

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