

Reply I. D.: jbpp.

Brownian Ratchet Reply

by Nate A. Lindell, created 24 Aug. 2015

You probably realize that I've not heard of Feynman's Brownian Ratchet until you mentioned it, although I have heard of Feynman... forget where though, maybe Einstein or A Brief History of Nearly Everything, The Hidden Reality, A Universe from Nothing....

Yeah, kinda figured it'd not work after I wrote about it. Thought I'd posted a clarification on that point. However, some ways around the problems....

What if the ratchets were embedded in a wall, so the vibrations wouldn't cancel each other out. And would the vibrations really cancel each other out, given that they obviously worked to move the pollen grains that led to the discovery of Brownian Motion?

And, isn't Brownian Motion increased with the temperature of the liquid, which indicates that the motion could be harvested for energy just as we've been harvesting steam for energy, without offending the law of the conservation of energy (& mass). Or am I misunderstanding the cause of Brownian Motion?

It'd be cool if these ideas could be tested, maybe on a spaceship, to see how zero gravity impacts the results. (Wouldn't need a lot of space, just a test tube, the nano ratchet & a microscope).

Somehow, for nanobots to be realistic, MIT's gonna have to come up with reliable sources of power, preferably renewable sources, so scientists won't have to constantly supply nano-batteries to the bots.

Now your nano-static electricity idea is interesting. I'll think on it & try to research on electricity (haven't really done so yet!)

Hell, wouldn't take much lab space to study these ideas. Just find

someone autistic enough to do it. 😊

But here's what's scary about nanotech, especially given that the Islamic terrorist going to a U' in Canada ~~and~~ was majoring in nanotech: nanobots programmed to attack tissue in specific people, such as Americans, occupants of a specific geographically region. DHS really ought to worry about that, like they do dirty nuclear weapons.

Haven't had much input on nanotech, but the tiny scale intrigues me. Small, intricate "things" are "cool." 😊

Look at all the tiny things that come together to constitute consciousness. People have such a hard time image-in-ing how 85 billion neurons with their approximately 50 trillion interconnections can constitute our consciousness.

But there are many examples of how many small things can create awesome single things on a greater scale: pixels making an image, trees making a forest, cells making a body.

So, anyway — more on This later. Gotta get this in the mail.

You know I'm steady screaming blogggy murder, letting the world know about BTB.

Thanks for sticking with it.

With Respect,

Nate A. Lindell #99502-555
Terre Haute USP
P.O. Box 33
Terre Haute, IN
47808