

Title: Heisenberg's Uncertainty Principle

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Created 2021-11-02 14:41:55 UTC

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If we know the position of a particle, then we do not know it's momentum.

In short, if you try to pin something down, then you lose other vital information. Your perspective of the object is limited to a single dimension: a point. The thing about points is they are relatively simple to duplicate if you care about nothing else, but that's not how science works. If all I cared about were points, then I could prove that you're an elephant or even a bowl of petunias.

Often, we try to pin people down to a single point, but we are more multi-faceted than that. How do you measure courage? Empathy? Resiliency? Love? Curiosity? These are the inner qualities that propel us forward to do advance mankind and evolve as humans.

In Physics, there is also something called the Observer Effect which means that an observed object is altered by simply observing it. The object doesn't even have to know it's being observed; the mere presence of instrumentation changes its state.