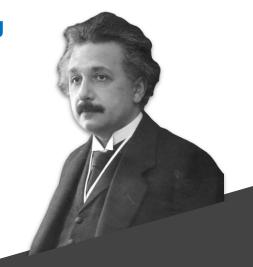
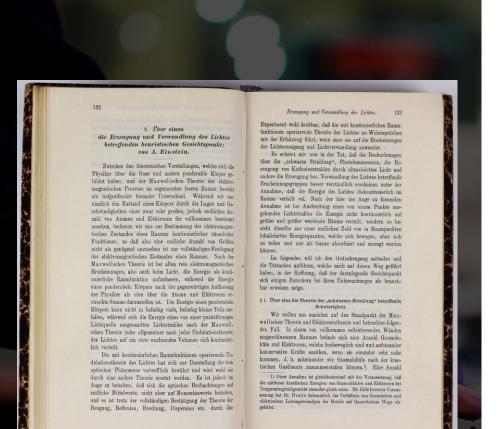
Seminar on: Evolution of an Einstein



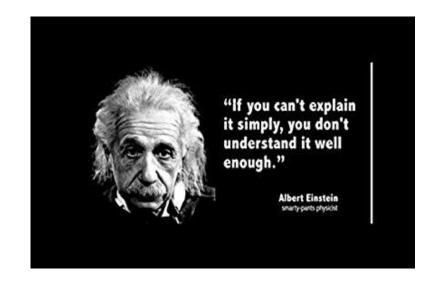


'Zur Elektordynamik bewegter Systeme'

 A breakthrough in classical physics after Newton's *Principia*

Historical Background

- Era of Subjective Interpretation
- Copernicus and Galileo
- Objective Interpretation



The Era of Einstein

- *** Ernst Mach (1838-1916)**
- Pierre Duhem (1861-1916)
- Atmosphere of Positivism

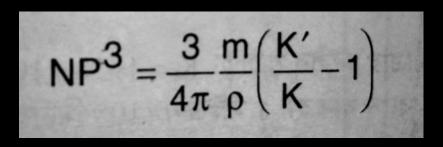


14th March,1879 - 18th April,1955 Germany

Positivism And Materialism

A Philosophical contradiction

"A mere clerk" of a Patent office in Berne announces his appearance



N= Avogadro number

P= Mean diameter of Molecule

K= Viscosity of Water

k' = Viscosity of the solution

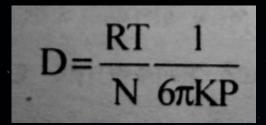
ρ= Mass of solute per unit volume

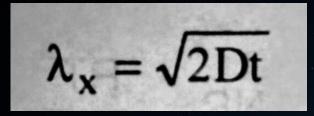
m= Molecular weight of the solute

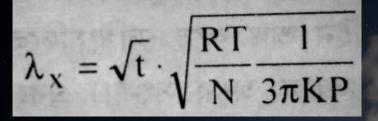
D= Coefficient of Diffusion

$$NP = \frac{RT}{6\pi KD}$$

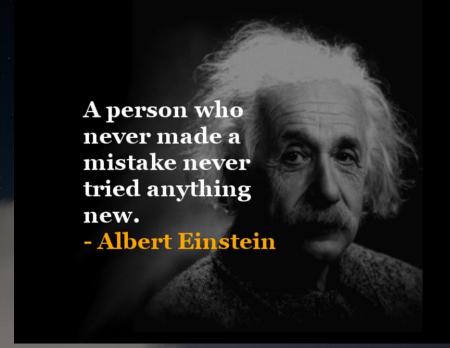
And the first Thesis (On Brownian Motion)







 λ_x = distance along the the x axis in t time covered by the Polen after random collision with the water molecules.



And the Groundbreaking Discoveries:

☐ Photoelectric Effect

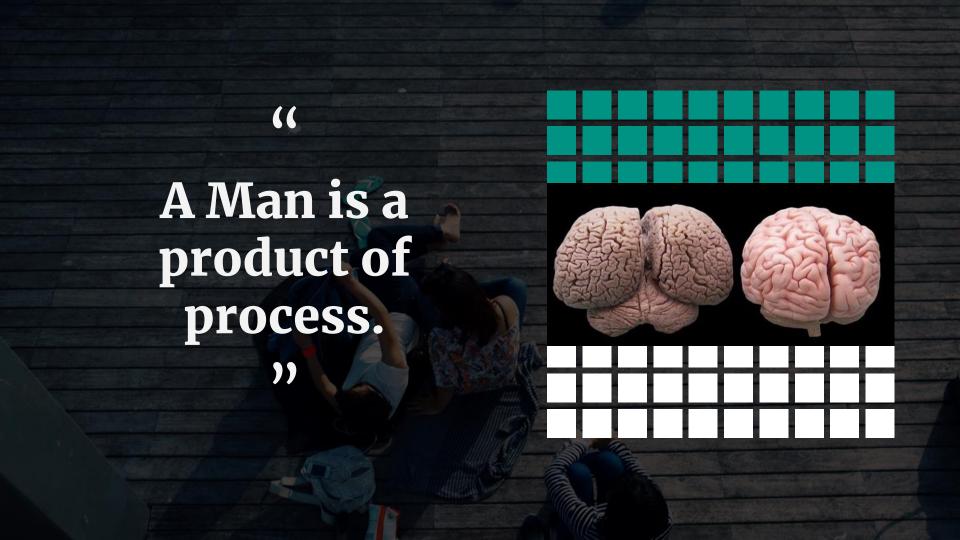
- ☐ Special Relativity
- ☐ General Relativity
- \square Mass Energy Equivalence $E=mc^2$



Everybody is a genius.

But, if you judge a fish by its ability to climb a tree, it will spend its whole life believing that it is stupid.

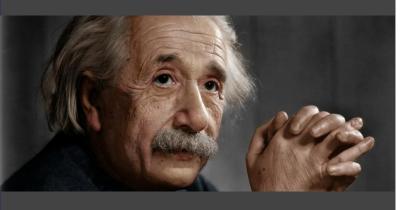
-Albert Einstein



The Black Period

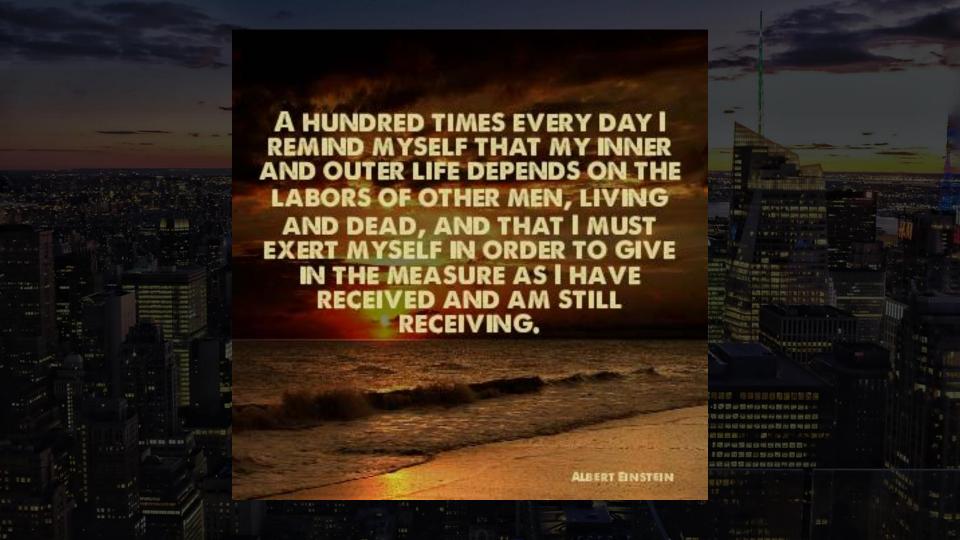


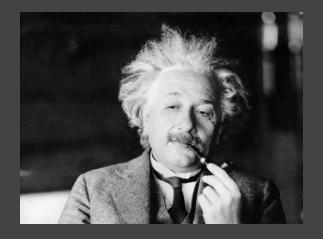




Society and Einstein

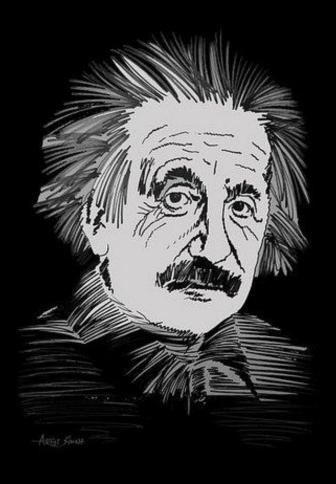
"The economic anarchy of capitalist society as it exists today is, in my opinion, the real source of the Evil."





Einstein On Religion

"I believe in Spinoza's God. The God who reveals himself in the harmony of what exists; not in a god who concerns himself with the fates and actions of human being "



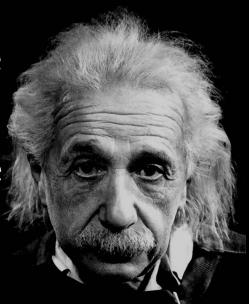
Hour's Call ...

"The important thing is not to stop questioning; curiosity has its own reason for existing."

-Albert Einstein

"Two things are infinite. The universe and human stupidy.

...and i'm not so sure about the universe."





Learn from yesterday, live for today, hope for tomorrow. The important thing is not to stop questioning.

Albert Einstein

Thank You