



The Essence of gravity.

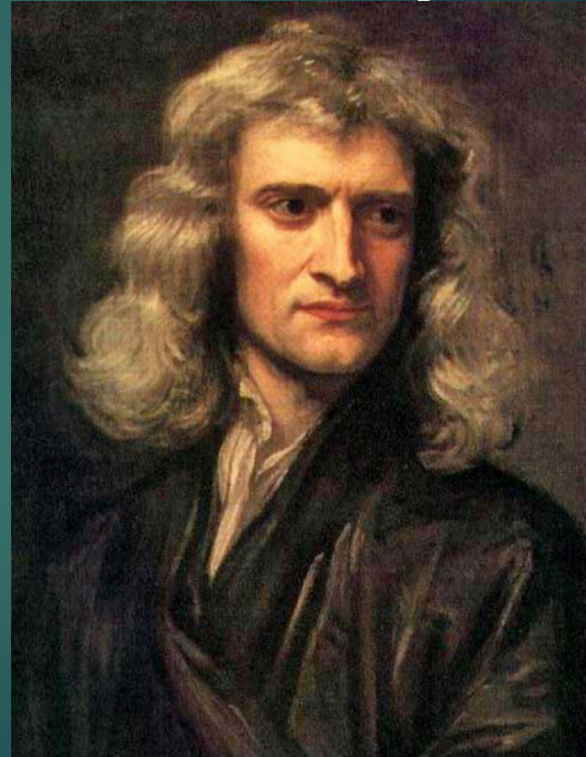
VARVARA KAZAKOVA, 533 GROUP.

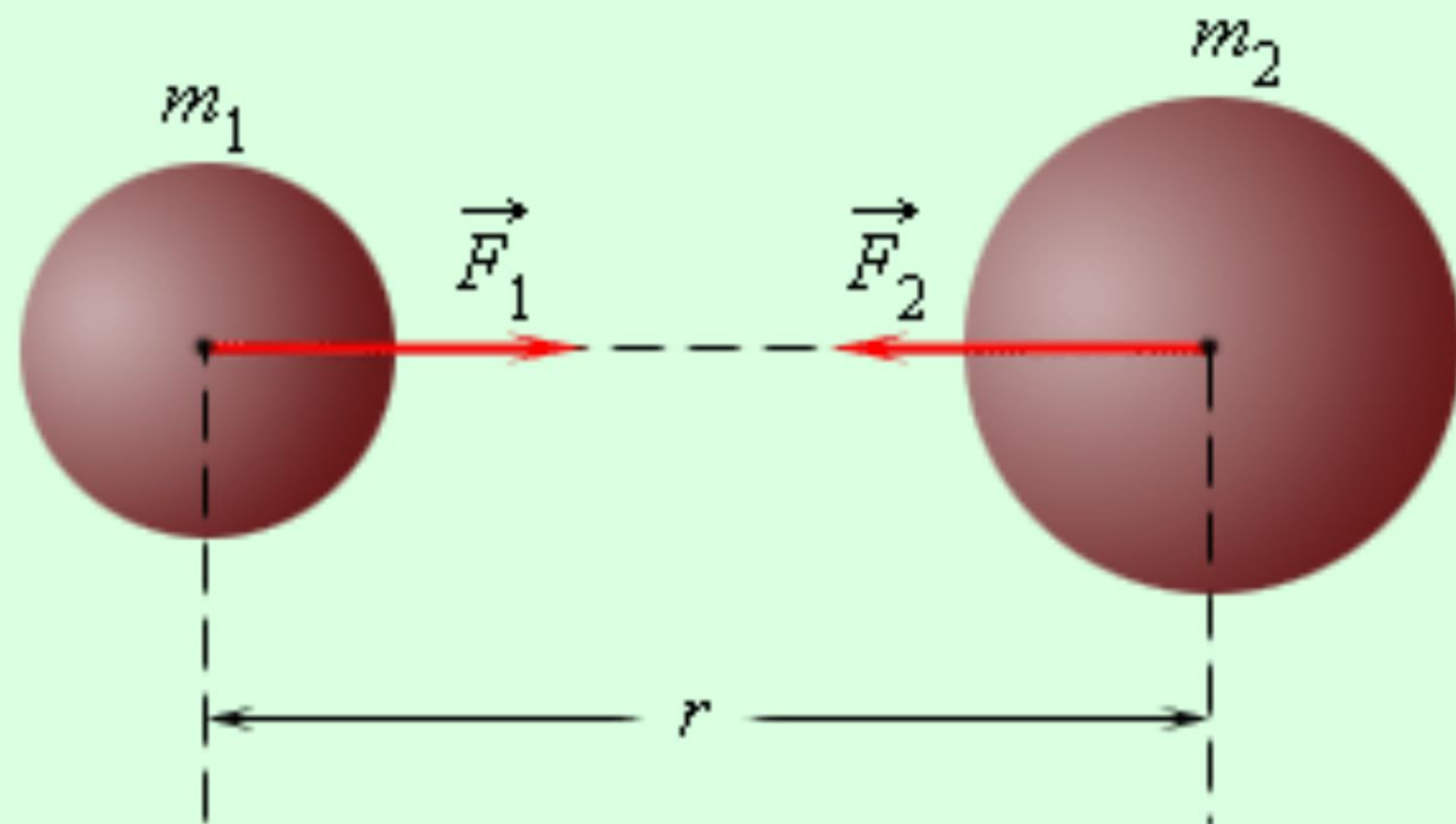
Plan

- Theory of Newton
- Theory of Einstein
- Black holes
- Importance of gravity in nature

Newton's theory

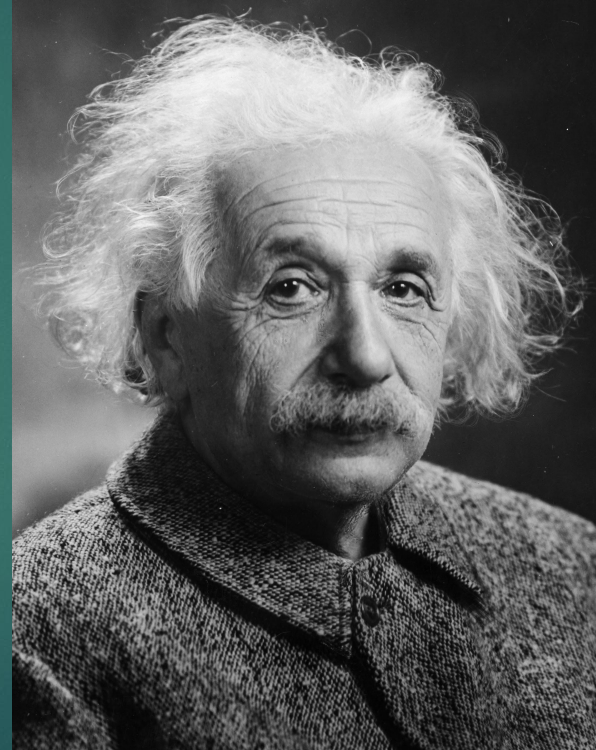
Newton said that force that make an apple fall is the same as holds planets on their orbits.

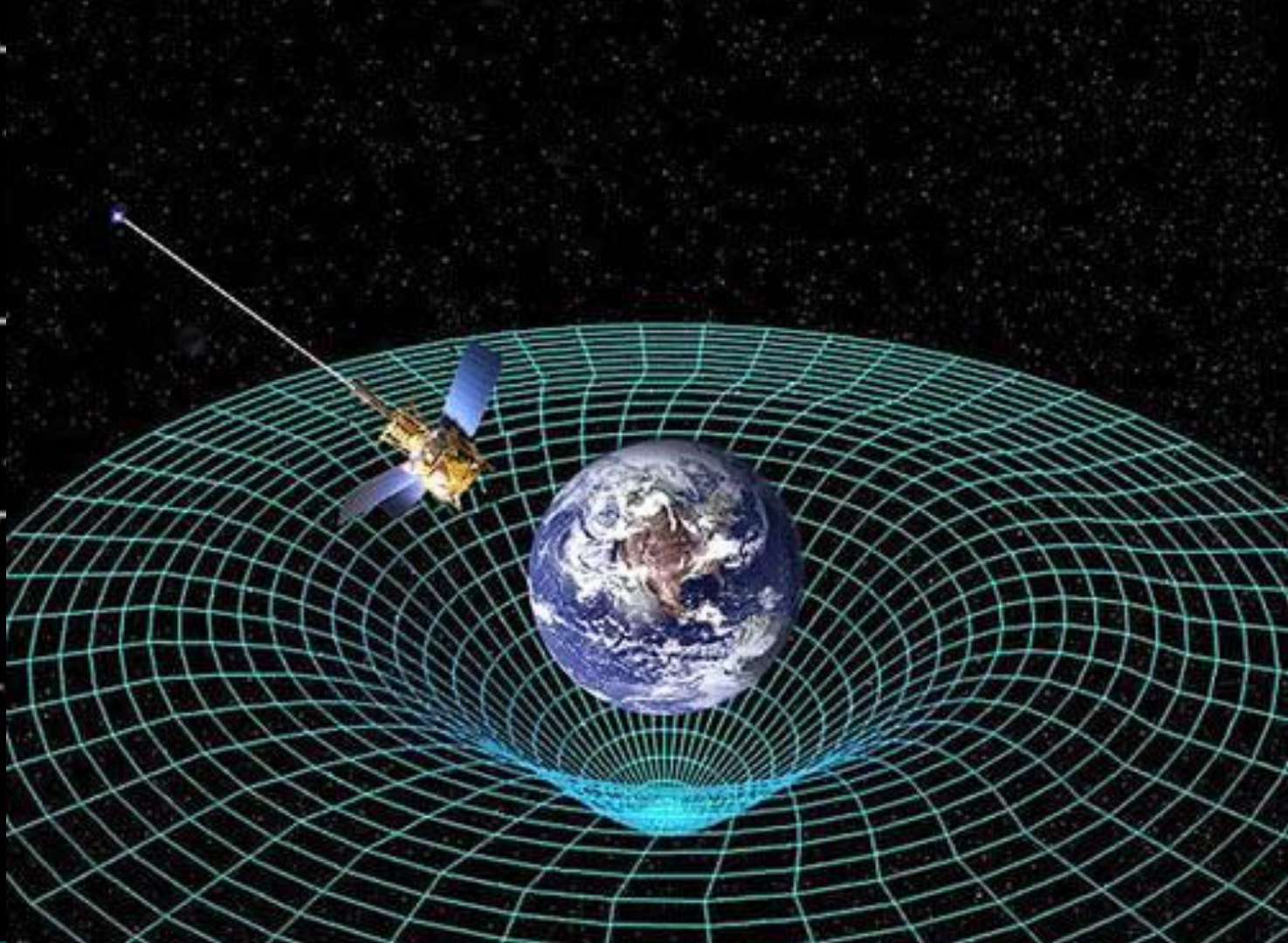




Einstein's theory

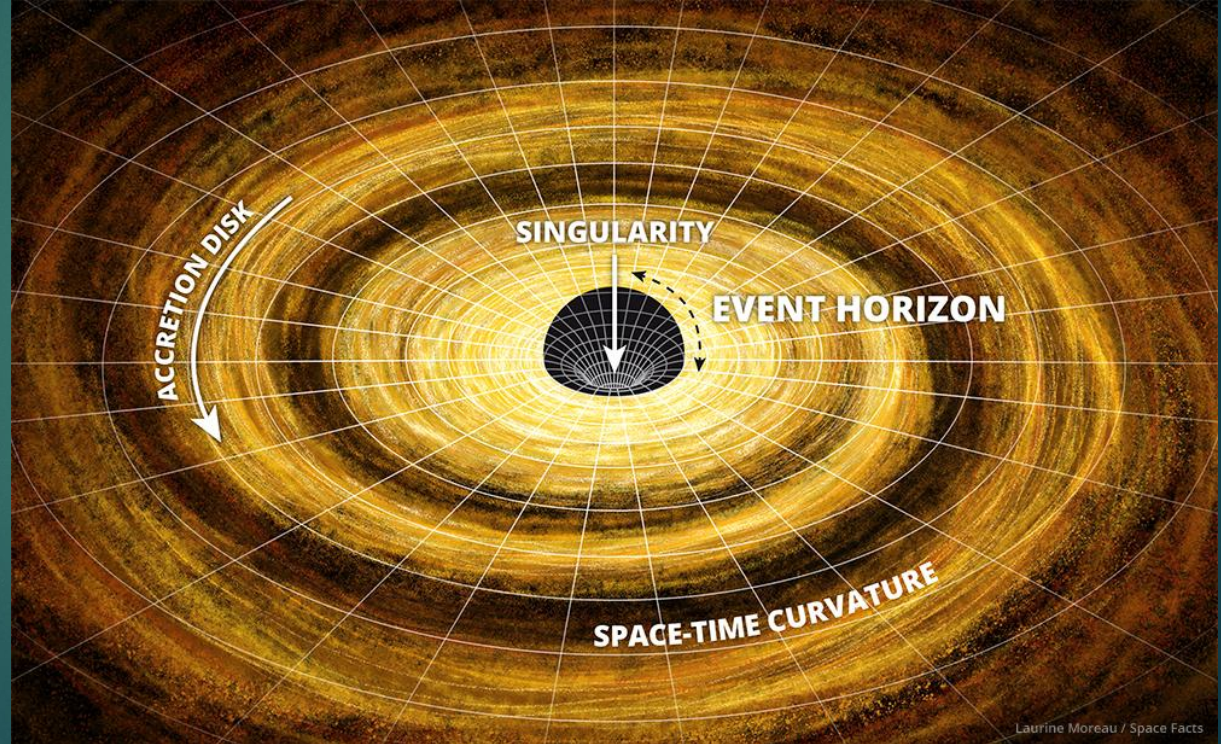
Einstein extended Newton's theory and allowed us to consider fastly moving objects.



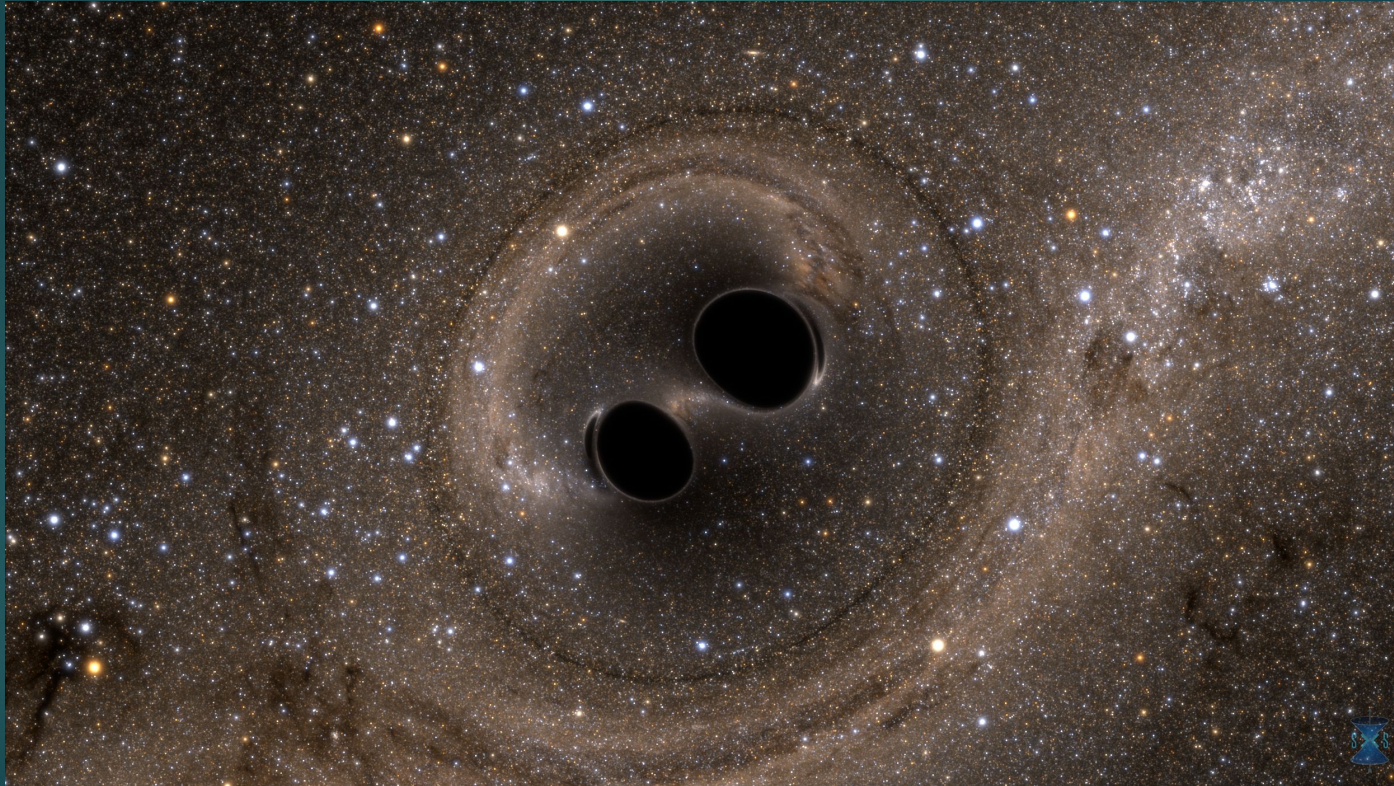


Black holes are ...

Structure of a black hole.



The merger of black holes



Gravity is really



Summary

- Newton's theory is nice but it's not enough.
- Einstein's theory is even better than Newton's.
- Black holes are supermassive objects and we can apply Einstein's theory to them.
- Gravitational forces are very crucial in nature.

conclusion



“Gravity must be caused by an Agent acting constantly according to certain laws, but whether this Agent be material or immaterial I have left to the consideration of my readers.”

Isaac Newton

“Most of the fundamental ideas of science are essentially simple, and may, as a rule, be expressed in a language comprehensible to everyone”

Albert Einstein



Thank you for your
attention!