QUANTUM PHYSICS RESEARCH

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01 GRAVITY VS TIME

Time runs slower wherever gravity is strongest, because gravity curves space-time.

Time is relative and malleable.

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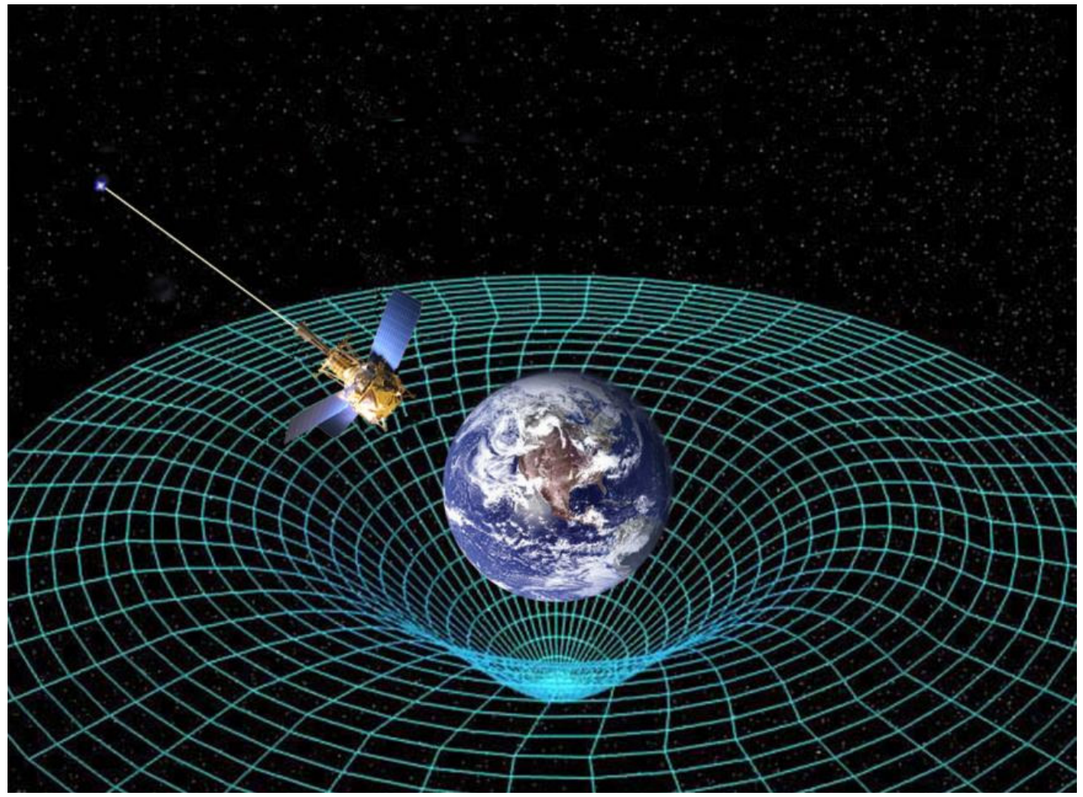
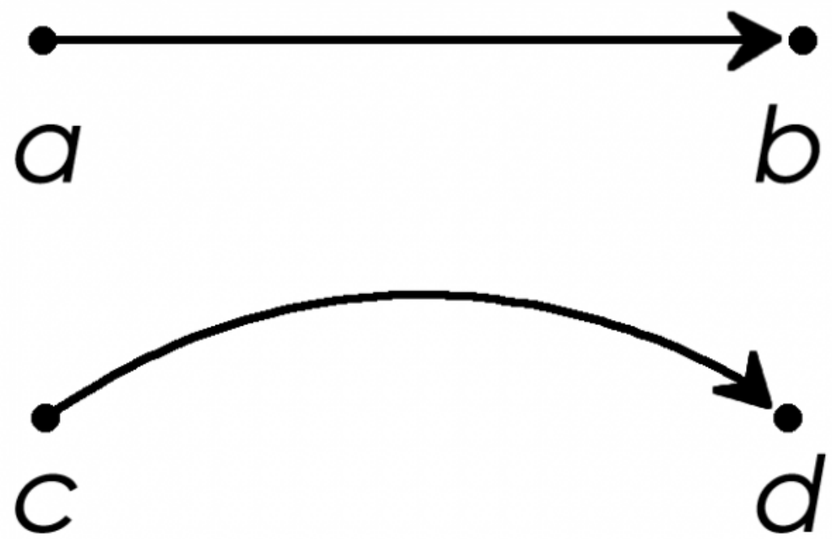
HOW ARE BLACK HOLES FORMED

It is formed when a star runs out of energy and implodes, the core of the star collapses into a black hole, gaining mass over time.

A black hole, just like Earth, has gravity. The bigger the black hole, the stronger the gravitational force is.





Taken from: http://thescienceexplorer.com/universe/how-gravity-changes-time-effect-known-gravitational-time-dilation

02 TRAVERSABLE WORMHOLES ARE A RESULT OF QUANTUM CONNECTION

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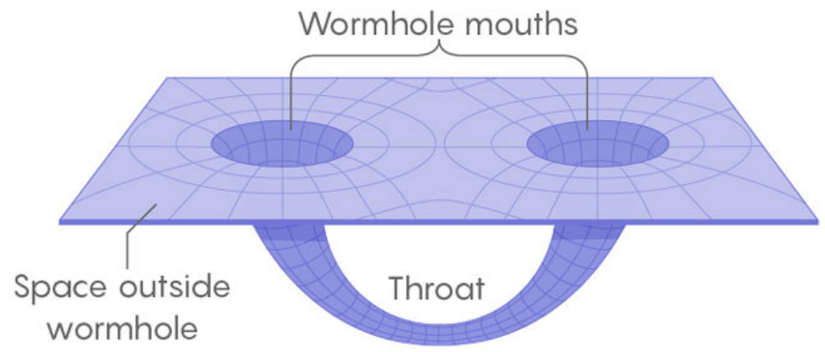
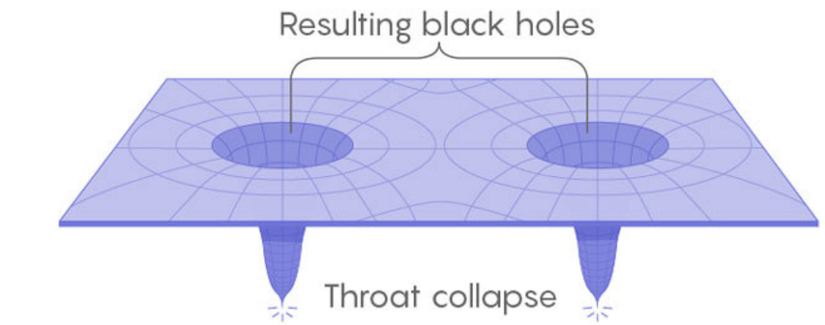
How to Get a Traversable Wormhole

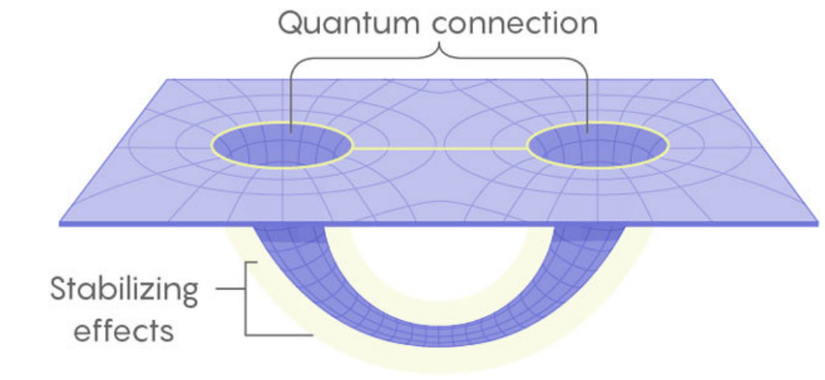
A wormhole connects distant locations in space.



The simplest theoretical wormholes immediately close off because the throat is attracted to itself.



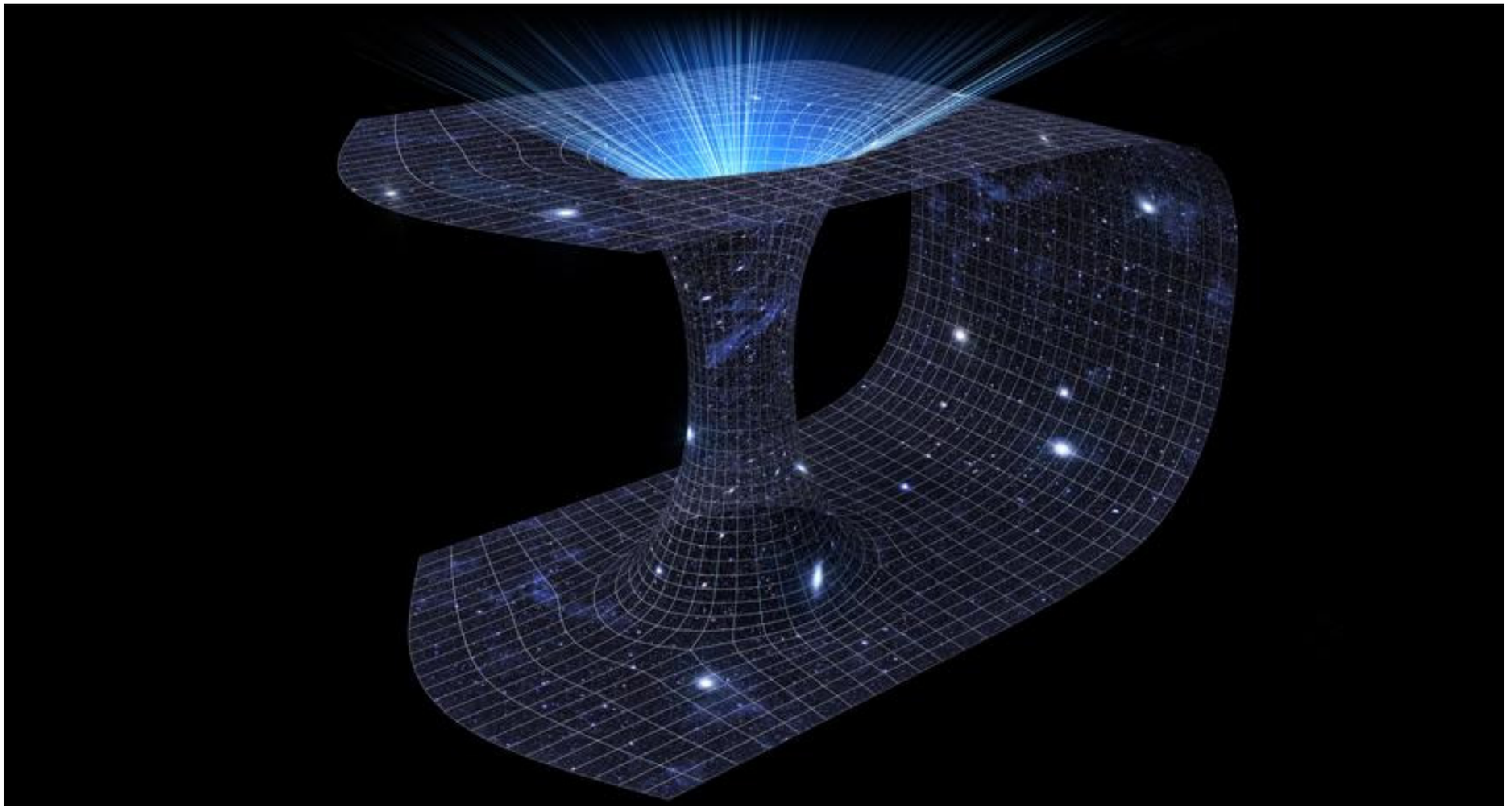
A quantum connection between the mouths could thwart a throat collapse, allowing something to travel through the wormhole.



https://www.quantamagazine.org/newfound-wormhole-allows-information-to-escape-black-holes-20171023/

THE SPOOKY THEORY OF QUANTUM ENTANGLEMENT

To physicists right now, the math of a wormhole is strangely similar to the math of Einstein Relativity. If quantum entanglement can really explain wormhole, then it would be huge step in understanding this whole idea of quantum entanglement.



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