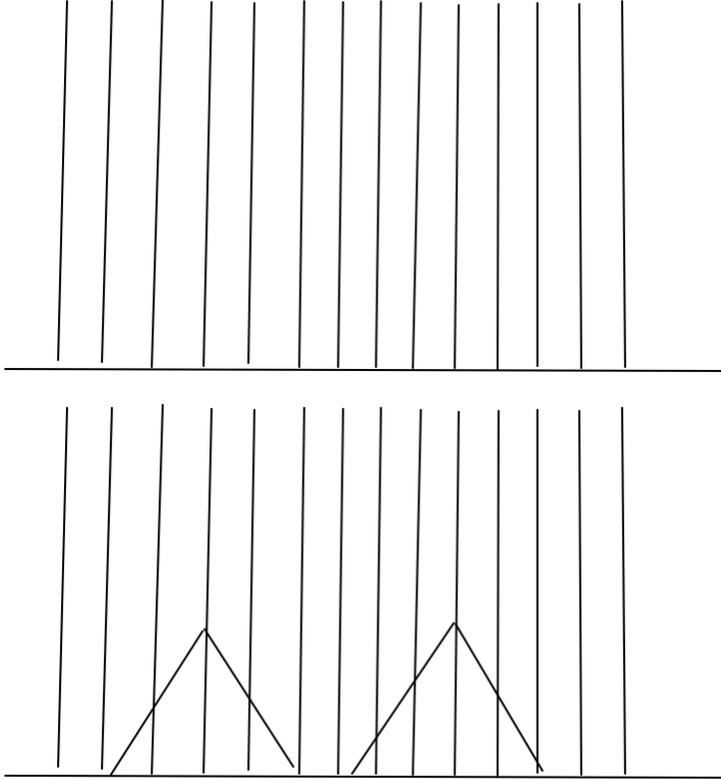
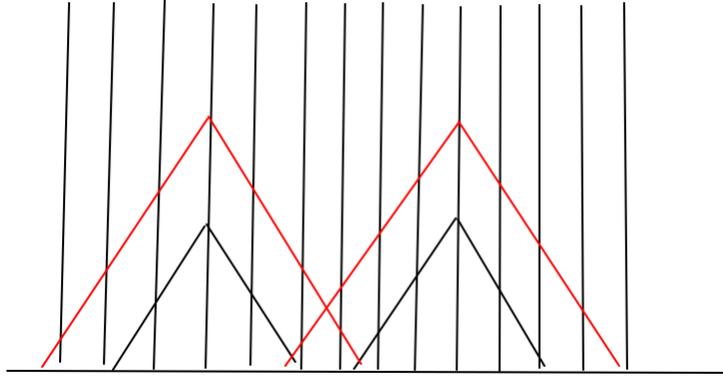


The Horizon Problem

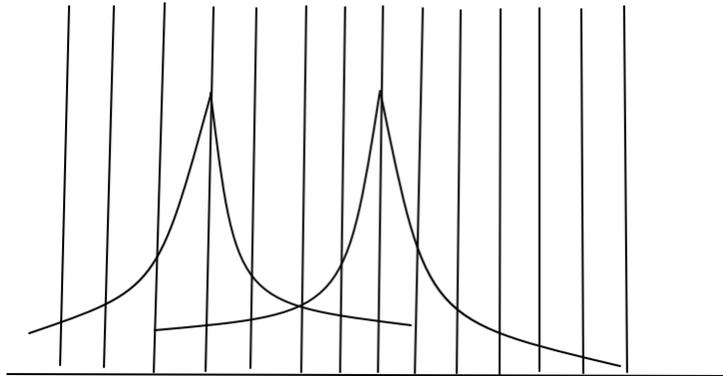
In the initial stages of the Universe different world lines were away from causal connection with each other. This is depicted in the first two figures.



After some duration of time the depicted world lines come into causal connection with each other and observe that the cosmic microwave background is almost uniform which would be nearly impossible without a causal connection to ensure thermal equilibrium. This is depicted in the next figure.



However, in a hypernolic Universe, all world lines are in causal connection back to near the singularity. This is depicted in the final figure.



There is no horizon problem requiring a theory of inflation.

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