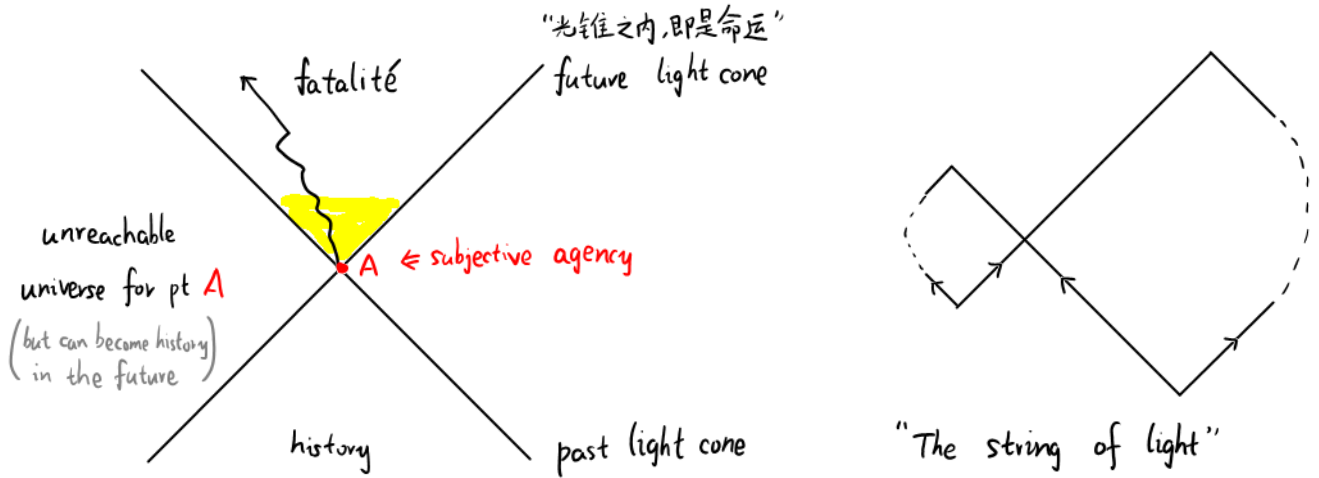


Eine Woche, ein Beispiel

5.22. theory of relativity

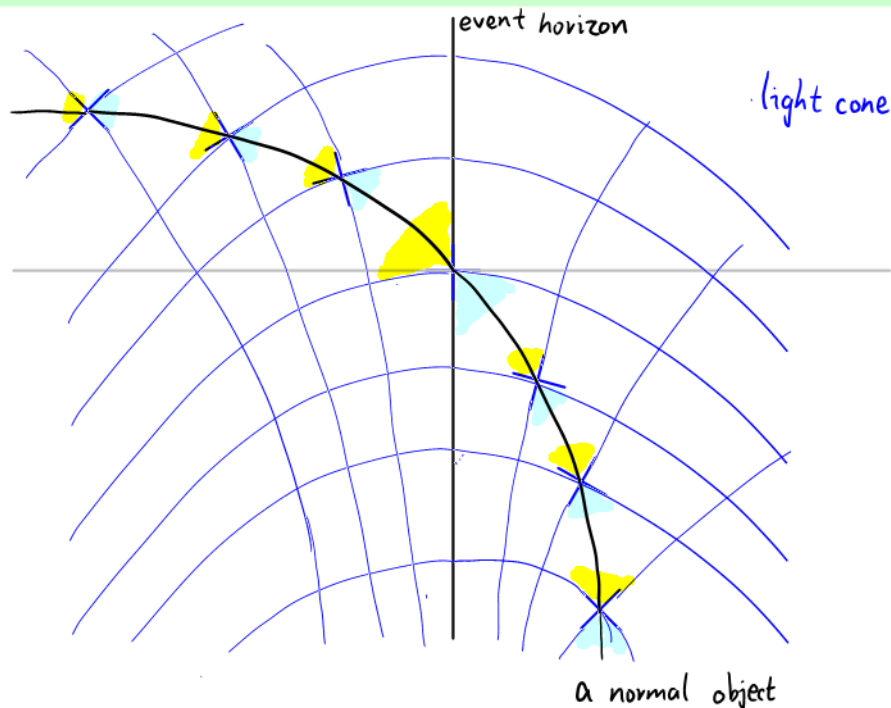
After seeing one video on Bilibili, I discuss with Qirui Li about it and collect it here.
Lots of references are in Chinese \neg (— —) \neg

Original video: <https://www.bilibili.com/video/BV17P4y1V7BX>



Q: How's the theory of relativity near the black hole?

See <https://www.zhihu.com/question/19589015/answer/15866164>
https://en.wikipedia.org/wiki/Black_hole
https://en.wikipedia.org/wiki/Penrose_diagram
I don't believe that I understand the Penrose diagram.



Idea: space \rightarrow time, time \rightarrow space
A black hole inside another black hole?

Maybe the concept of simultaneity can only be made locally. What's the Lorentz Transformation near the black hole?