

What is the quality-world line

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Abstract: I proposal a new concept the quality-world line, maybe it will become a new development in the philosophy of science.

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Here is a joke, pigs can run, but a dead pig can not. How to explain it? Maybe you will a dead pig is not a real pig, but I have more reasonable interpretation which can keep a dead pig is also a pig. A dead pig has been a live pig, so we can draw a world line for this pig, then the dead pig refers to the whole world line, a equivalence class, since the most part of the pig line can run, so we can say a dead pig also can run.

A dead pig is not a normal pig after all, so I modify the world line in the space-time diagram and proposal the quality-world line in the quality-space diagram. The quality-world line is the usual world line added a grey scale which shows the quality, here the quality only means the usual object, not the ideal in the platonic sence. If it is a usual object, we draw its quality-world line with pure black which is the same with the world line, but if there is something unusual, we will draw it with gray and more far away more light, if we can not recognize it as the quality, we will draw it with pure white, in other words, the quality-world line vanishes.

In my setting, image is the standard for the quality (maybe you can set others), I think it is more suitable for the everyday language. Whatever a dead pig, a photo pig or a cartoon pig, we also call it a pig, so their quality-world lines for pigs are not pure white.

Of course, the quality-world line for pigs in the three dimensional world are usually deep

er than it in the two dimension picture, but not in the each case, because the quality-world lines for a dead pig body will disappear by decay and a picture pig can be alive at a lower gray scale in a long time, but at least do not vanish.

We can get a lot of information from the quality-world line in the quality-space diagram. For example, if a new light line appears nearby the black line, it probably is a image copy behavior such as making a photograph. The quality-world line will bring more philosophical significance for similar behaviors.

Exercises:

- 1) A sow gives birth to some piggies, please draw its quality-world line for pigs.
- 2) For what case, a black quality-world line can break some black quality-world lines?