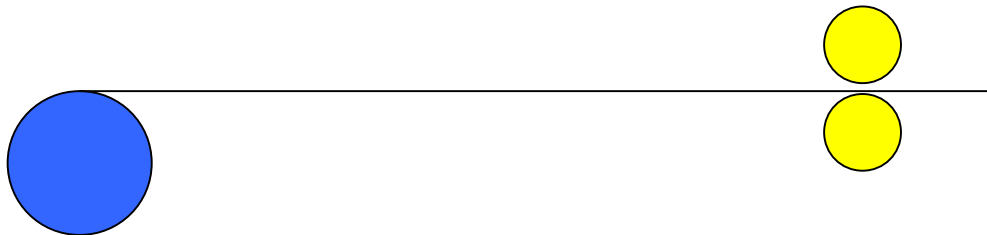


# The Eclipse Paradox

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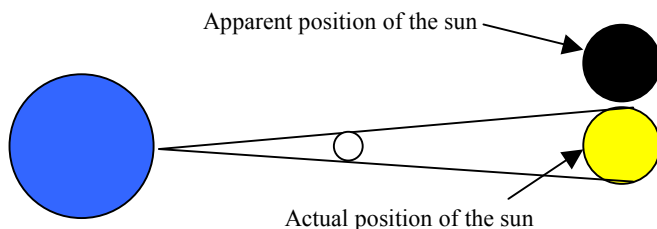
Total solar eclipse creates a paradox that can be solved only if we understand nature in its entirety. Paradox is quite simple but on the request of the readers, more elaborate analysis is presented here.

Our current theories suggest that apparent position of the sun is not its actual position. Since light takes 8 minutes 45 seconds to reach the earth, therefore, the apparent position of the sun is below its actual position; similarly, atmospheric refraction also affects the apparent position of the sun. At sunrise and sunset sun appears to be above its actual position by almost its own apparent size.

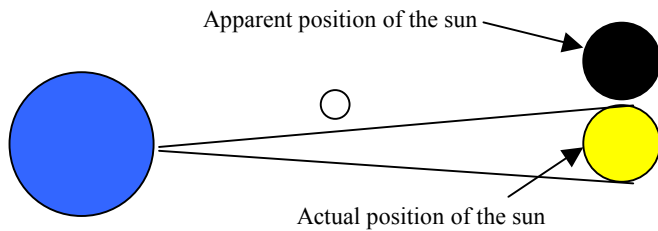


These two factors in combination may make sun appear below or above its actual position during the course of a day. Since moon stays outside the atmosphere of the earth, therefore, sunlight reaching the moon is not affected by the refraction. Of course, the apparent position of the moon also is not its actual position.

The apparent sun and moon are only projections and are not real. **Irrespective of the apparent position of the sun, sunlight still comes from its actual position.** Totality can occur only if moon comes in between the earth and the actual position of the sun but totality occurs when moon comes in between the earth and the apparent position of the sun.



However, as per present mechanism, the totality occurs in the following position,



We need not account for the refraction but must account for time light takes to reach the moon (about 8 minutes 44 seconds). However, we account for the refraction and do not account for the time sunlight takes to reach moon and yet all our predictions about the place and the time of occurrence of the totality are always correct.

Moon stays outside the atmosphere of the earth and hence light reaching the moon is not affected by the refraction and yet our calculations suggest that total solar eclipse occurs at the refracted position of the moon. As no light reaches us during the totality, therefore, the two factors discussed above cannot influence the apparent position of either the sun or the moon during the totality and hence we must see the absence of information (perceived by us as moon) at the actual position of the moon and not at the position where it appears before the totality. It means the eclipsed part of the sun shall appear at another place (as there is no refraction) and the visible part of the sun must appear at another place.

**This is a paradoxical situation because moon blocks the sunlight without being in the path of the sunlight. We have darkness even though plenty of sunlight must still reach us. On the other hand, we do not observe any eclipse in the regions where no sunlight is supposed to reach as the moon blocks the path of the sunlight.**

A mere reexamination of the mechanism of total solar eclipse, or even proper understanding of the nature of light and its role in mechanism of communication of information cannot resolve this paradox. This paradox can only be resolved by understanding the nature in its entirety.

Total solar eclipse not only conclusively invalidates theory of relativity, standard model of particle physics, and standard model of cosmology but also shows that our understanding of the nature of light and the role light plays in our sense of sight is not correct. In a nutshell, a close examination of the total solar eclipse not only shakes the theoretical structure of the modern physics; it shakes the very foundations of this structure and yet it brings out the true worth of these theories provided we interpret the results of our observations properly.

If you think that we can resolve this paradox with our current set of theories then you have a chance of winning USD 10,000/-. To Know more please visit my website [www.norlabs.org](http://www.norlabs.org).

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