## Abstract Submitted for the MAR15 Meeting of The American Physical Society

The speed of light is the inflection point matter and dark matter YONGQUAN HAN, 15811860790 — The gravitational field of the object is due to radiation and rotation. The reason of the objects can radiation is that linear velocity of objects rotation is less than the speed of light. When the linear velocity of object rotation is equal to the speed of light, the object won't radiate any more, radiate particle(electromagnetic wave particle) rotate by the radius of itself radius, now the state is the inflection point of the matter and dark matter. at this time, the object's gravitational field radius equal to the radius of the object, and then continue to change that is dark matter, the velocity of dark matter rotation is faster than the light. Dark matter radiation doesn't radiate. The gravitational field radius is equal to the radius of the dark matter, that is why dark matter is difficult to be observed also detected. The curvature of the radiation—the the linear velocity of the object divide the speed of the light. The rotation speed of the object—the speed of light multiply the linear velocity and then divide the radius of the object.

Han Yongquan 15811860790

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