

# Final Theory for Graviton

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**Abstract:** Existing theories for the transmission of gravitational force have considered the graviton particle and predicted that this particle moves with maximum speed. When some phenomena and events in nature are examined with the mentality of "continuity from the beginning", it can be comprehended that these hypotheses are unnecessary.

**Introduction:** When the graviton hypotheses are examined, a serious problem (how to travel at what speed for extreme astronomical distances) arises [1]. The upper limit of any speed is light's velocity.

The general approach in science is to analyze instant and simultaneous status. This is like analyzing a snapshot. Although the need for four-dimensional analysis is emphasized especially in the special theory of relativity, this theory also analyzed the photograph at moment  $T_2$ . In order to realistically comprehend the mechanism of nature, it is important to analyze in flow like a movie. In the general theory of relativity, the photon positions at the moments  $T_1$  and  $T_2$  are combined in the mind and the events in the intermediate periods are left out of the analysis and the judgments may be problematic [2].

## Analysis that considers continuity from the beginning

Among the theories proposed for the formation of the universe, the big bang cosmology stands out with the "least rejected" criterion. According to this theory, pure energy was scattered into the vacuum and subatomic particles were formed with cooling, these formed atoms and celestial objects by aggregating, and gravity forces became active and gradually reduced the scattering speed [3]. Gravitational force is active from the first moments of matter formation. Every second that objects move away from each other (or come closer to each other), new equilibria/status are formed depending on their new distances. This state of continuous rebalancing continues today.

To comprehend the basic dynamics of gravity, the following analogy can be considered: Let there be virtual/imaginary "gravitational elastic bands" between all celestial objects (let these bands represent the gravitational force). During the transition from moment  $T_i$  to moment  $T_{ii}$  due to universal motions, their gravitational forces decreases or increases according to each new position (the tension increases when the known elastic strip lengthens and decreases when it shortens; let's assume that the opposite is the case with "gravitational elastic" strips; that is, the tension decreases when it lengthens and increases when it shortens). The flowing placing of celestial objects to their new positions occurs at speeds less than the speed of light; so, the finite/limited speed of light is no longer a problem. It does not need that the gravitational forces travel the all intermediate distance at the moment of new status.

## **Discussion**

First approaches to the transmission of gravitational forces were analyzed in accompanied the presence of graviton particles, and the problem of traveling the extremely large distances generated various hypotheses. Since the positions of celestial bodies are constantly changing during the time required for the graviton to travel extremely large distances, there would be an insurmountable complexity.

The "gravitational elastic link model", which is accompanied by the observation of connectivity integrity and continuity from the beginning, has solved such problems.

## **Conclusion**

To consider a kind of virtual "elastic link" (which is worked such low tension for increasing distance; high tension for decreasing distance) and to analyze it accompanied by onwards continuity from the beginning can explain the dynamics of gravity without problems. Even, there is no need for a graviton particle.

## **References**

- [1] [https://scholar.google.com/scholar?hl=tr&as\\_sdt=0%2C5&q=graviton&btnG=](https://scholar.google.com/scholar?hl=tr&as_sdt=0%2C5&q=graviton&btnG=)
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