

## **THE FIFTH DIMENSION EQUATIONS**

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### **Abstract**

In this presentation, we would like to show what happens when we add a new dimension to equation of the Lorentz (see [1]), and found that the conclusions that there are several cases including those that could help resolve the dispute if there is a movement of the particles faster than the speed of light.

We think that we must agree if there is the possibility of the existence of particles that move faster than the speed of light, we have to be prepared for how to deal with this matter.

**Keywords and phrases:** fifth dimension, speed of light particles, physics cosmology, Lorentz big bang.

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### **References**

- [1] A. Einstein, Relativity: The Special and General Theory, Chapter 17, Bartleby, 1920.
- [2] Kaluza Klein, 5th-dimension,

[http://en.wikipedia.org/wiki/Kaluza-Klein\\_theory](http://en.wikipedia.org/wiki/Kaluza-Klein_theory)