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A Quantum Mechanical Resolution of Cosmological Phenomenon RAFAEL SIERRA, Southern Methodist University — To the disparate theories of the various phenomenon of dark matter, dark energy, gravity, light and quantum mechanics, we add our voice. With a young theory that is simple and streamlined, we attempt to find connections between the phenomenon stated above. We theorize that dark matter and dark energy are typical results of the formalism of quantum mechanics. We get that dark matter is not a true particle, and that dark matter and dark energy are inseparable phenomenon. We continue on to conjecture a new physical principle (Principle of Least Probability), and use it to explain the reason that gravity exists. By doing this, gravity and dark matter become highly interrelated. Finally, we conclude by analyzing the mechanics of zero mass particles in dark matter, and conjecture a relationship between the density of dark matter and the speed of light.

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