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## Energy radiation vs. thermal radiation detected from electromagnetic spectrum observations

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It has been challenging to explain all the abnormalities seen in the processing of electromagnetic spectrum information from the Universe which is providing concepts, models, and explanations that produces controversies in many circles. It's also generally agreed by the scientific community that there is a substantial lack of solid empirical evidence to support much of the ideals and speculations provided. Mysteries and abnormalities sometimes exist because of wrong reasoning that cannot resolve many problems. However, sometimes historically a new technology and/or a keen observation of a phenomenon swings a door wide open to create a scientific revolution with a fundamental shift, that gives us a clearer understanding of our Universe. The solid state physics of how the light emitting band-gap energy of a light emitting diode (LED) produces specific electromagnetic spectrum frequencies is a visual demonstration of a real relationship between energy levels and frequencies observed. Understanding the results from a LED laboratory experiment, combined with creditable scientific methodologies, and reasoning from natural occurring phenomena provide the missing keys to eliminate many abnormalities and problems, and to solve cosmic mysteries from the present mysterious universe. The phenomenon to be recognized in this science presentation is the recognition of the dualism of the electromagnetic spectrum. The dualism is, there exists not only the observation of thermal radiation as described by Planck's black-body radiation, but also the mathematical induction observation of energy radiation, that radiates beyond the physical realm of thermal radiation. That energy radiation is observed in the Universe, to be quantized.

### Biography

Gilbert Leon Joseph Beaudry started his present journey of unraveling the secrets of the Universe on February 4, 2004. In January 2007, a descry observation in technology and latter in nature revealed a relationship between the requirements of observation and energy as being the missing piece of the puzzle needed to unlock many presently confusing unsolved mysteries of the Universe. The subject of his presentation on the recognition of energy spectrum observations beyond the thermal spectrum will allow for new theoretical developments with revolutionary changing clarity that will open up a new Universe. He presently blogs and promotes open science with public collaboration at PhysicsOfUniverse.com and as Astrophysics Research Channel on Google+ and YouTube.

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### Notes: