

Abstract Submitted
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New Open Questions FLORENTIN SMARANDACHE, University of New Mexico — The Black Hole's center, which is a point of infinite density and zero volume, is considered a real physical entity, although it seems a mathematical artifact. So, Fact or Mathematical Artifact? Since no experiment has ever shown a density being infinite for a physical object in the universe, our question is what would be **the maximum discovered density** in the universe? Would it be possible to create any given density? What is the **strongest gravitational field** in the universe? What would be the maximum gravitational field to be produced in the laboratory? Similarly, what is the **strongest electric field** in the universe? What would be the **maximum electric field** to be produced in the laboratory? Similarly, what is the **strongest magnetic field** in the universe? What would be the **maximum magnetic field** to be produced in the laboratory?

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