General Relativity and Quantum Cosmology

On Classical Analogs of Quantum Schwarzschild and Reissner-Nordstrom Black Holes. Solving the "Mystery of log (3)"

Victor Berezin

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The model is built in which the main global properties of classical and quasi-classical black holes become local. These are the event horizon, "no-hair", temperature and entropy. Our construction is based on the features of a quantum collapse, discovered while studying some quantum black hole models. But it is purely classical, and this allows to use the Einstein equations and classical (local) thermodynamics and explain in this way the "log(3)" - puzzle.

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