

## **Nonarchimedean and noncommutative aspects of the interior of the Schwarzschild black hole and signature change**

We consider the interior of the Schwarzschild black hole as a suitable minisuperspace cosmological model. Lagrangian of the model is transformed to two decoupled oscillators with the same frequencies and with zero energy in total. The model is presented in a p-adic and a noncommutative case. A wave function of the model is calculated, and then an adelic wave function is constructed. Signature change in p-adic and noncumulative case is also considered, followed by a discussion of the corresponding Generalized Uncertainty Principle (GUP).