

# The New Concepts to Big Bang and to Black Holes: Both Had No Singularity at All

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### Abstract :

Our Universe was born from Minimum Gravitational Black Holes (its mass  $\approx 10^{-5}$  g), but not from Singularity or Big Bang of Singularity. 2. No Singularity existed in star-formed Schwarzschild's black holes, but a steady mini black hole (its mass  $\approx 10^{15}$  g) of long lifetime would certainly exist inside as a core to obstruct the collapse of energy-matters to become Singularity. The steady mini black hole (mass  $\approx 10^{15}$  g) in black holes instead of Singularity called by General Theory of Relativity (GTR) could resist the gravitational collapse. [Nature and Science. 2004;2(3):1-4].

### Key Word :

singularity; big bang; black holes; Planck's era; cosmology; minimum gravitational black holes;

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