Abstract Submitted
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Defining a finite universe from a holographic horizon. PAUL
OBRIEN, retired — By combining Carl Schwarzschild's solution for BH mass and
radius with Hawking's solution for the BH mass and temperature one can define
both the initial and final condition of a finite Universe, (U); which conserves Mass,
(M_u), Energy (E_u) and Quantum Information, (I_u) measured from a holographic
horizon that contains the entire universe at some time (t) where $(c^2t^2) = (R^2)$.
Since (c) is a constant then $(t^2) = (R^2) = (M_u)/(T)$. I will derive 4 equations that
prove this.

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