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An Accelerating Universe Around A Blackhole¹ ABDUL L. CHOUDHURY, Department of Chemistry and Physics, Elizabeth City State University, Elizabeth City, NC 27909, HARUNAR RASHID, ARSHAD MOMEN, Department of Physics, Dhaka University, Dhaka, Bangladesh — We assume the creation of a blackhole [1] in a physical universe. We now conjecture that the blackhole will then separate itself from the physical universe and build up an extra dimensional entity associated with the physical universe. We postulate this extra dimensional entity is to be orthogonal to the physical universe. We further conjecture that the blackhole is a Schwartzschild blackhole. We assume also that this physical universe and the blackhole together span a seven dimensional space with a common time coordinate. We then generate the Einstein equation. Using the time-blackhole-radial and the time components of the equation we show that the Hubble parameter is positive and time dependent if we conjecture that both the scale factor and the radius of the blackhole reduce exponentially. Under the same assumption we also calculate the deacceleration parameter and show that under certain constraint on the parameters the universe accelerates. [1] arXiv:gr-qc/0608094 v1 20 Aug 2006.

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Abdul L. Choudhury Department of Chemistry and Physics, Elizabeth City State University, Elizabeth City, NC 27909

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