

Abstract Submitted
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Influence of collapsing matter on the enveloping expanding universe ABDUL CHOUDHURY, Elizabeth City State University — Using a collapsing matter model at the center of an expanding universe as described by Weinberg [1] we assume a special type of generated pressure [2]. This pressure transmits into the surrounding expanding universe. Under certain restriction the ensuing Hubble parameter is positive. The deacceleration parameter fluctuates with time, indicating that the universe accelerates for certain time and decelerates for other time intervals.

[1] S. Weinberg : Gravitation and Cosmology, J. Wiley & Sons, Inc. New York (1972) page 342.

[2] A. L. Choudhury, Hadronic J., 23, 581 (2000).

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