FUTURE UNIVERSE WITHOUT BIG-RIP PROBLEM

NITIN SARMA[1] & CHANDRA REKHA MAHANTA[2]

[1]Department of Mathematics, A.D.P. College, Nagaon, India

[2]Department of Mathematics, Cotton College, Guwahati, India

ABSTRACT

In this paper, we showed that if cosmic dark energy behaves like a fluid with equation of state parameter $p = \omega\rho$ as well as modified chaplygin gas simultaneously then the big-rip problem does not arise even $\omega < -1$ and it is found that the scale factor is regular for all time

KEYWORDS: Dark Energy, Accelerated Universe, Bigf Rip