

Abstract Submitted  
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**Quasilocal Energy of FRW Universe** MARCUS AFSHAR, University of California - Davis — The quasilocal energy of an arbitrary FRW model of the universe is calculated. The results have the correct behavior in the small-sphere limit. Higher order corrections are found when comparing these results to classical calculations of cosmological energy. This example is unique in that it involves a non-stationary spacetime. As previous definitions are inadequate, a more precise definition of quasilocal energy is provided to accommodate non-stationary spacetimes.

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