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Youngsu Kim* (kim455@purdue.edu), Department of Mathematics, Purdue University, 150 N. University Street, West Lafayette, IN 47907. *Quasi-Gorenstein Extended Rees Algebras.*

A ring is called quasi-Gorenstein if it is isomorphic to its own canonical module. A quasi-Gorenstein ring is Gorenstein if and only if it is Cohen-Macaulay. We show that for some classes of extended Rees algebras, the quasi-Gorenstein property implies the Gorenstein property. (Received August 31, 2012)