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Integral extensions of Clifford regular domains.

An integral domain R is Clifford regular if and only if $I^2(I : I^2) = I$ for every nonzero ideal I of R . We investigate the behavior of Clifford regular domains under integral extensions. In particular, we prove that a local Clifford regular domain with archimedean maximal ideal is integrally closed, and hence a valuation domain. This answers positively a question raised by S. Bazzoni. (Received January 09, 2007)