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Neil Epstein* (nepstei2@gmu.edu), Fairfax, VA 22030, and **Jay Shapiro**. *Perinormal integral domains*.

We introduce a new class of integral domains, the *perinormal* domains, which fall strictly between Krull domains and weakly normal domains. They are defined in terms of relationships between their prime spectra and those of rings between the given domain and its fraction field. We establish basic properties of the class and give equivalent characterizations of perinormal domains in the Noetherian context. We also introduce and explore briefly the related concept of global perinormality, including a surprising relationship with divisor class groups. Examples arise in algebra, geometry, and number theory. (Received January 20, 2015)