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Hwankoo Kim* (hkkim@hoseo.edu), Department of Information Security, Hoseo University,
A-San, Chung-Nam 336-795, South Korea. *Some characterizations of generalized GCD domains.*

In this presentation, we give several module-theoretic characterizations of generalized GCD domains. For example, we show that an integral domain R is a generalized GCD domain if and only if the semi-divisoriality and flatness are equivalent for torsion-free R -modules if and only if every w -finite w -module is projective if and only if R is w -Prüfer (in the sense of Zafrullah). We also characterize when a pullback R of a certain type is a generalized GCD domain. (Received August 12, 2008)