Schreier domain

An integral domain D is a *pre-Schreier domain* if every non-zero element of D is primal. If in addition D is integrally closed, then D is called a *Schreier domain*.

Remarks.

1. Every irreducible element of a pre-Schreier domain is prime.
2. A gcd domain is a Schreier domain (a proof of this can be found here (`http://planetmath.org/ProofThatAGcdDomainIsIntegrallyClosed`)).

Title	Schreier domain
Canonical name	SchreierDomain
Date of creation	2013-03-22 14:50:41
Last modified on	2013-03-22 14:50:41
Owner	CWoo (3771)
Last modified by	CWoo (3771)
Numerical id	7
Author	CWoo (3771)
Entry type	Definition
Classification	msc 13G05
Synonym	pre-Schreier
Defines	pre-Schreier domain