

BOSTON UNIVERSITY NUMBER THEORY SEMINAR

Dedekind, Krull, and factorial rings with or without zerodivisors

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Monday, November 30 at 4:15 pm
111 Cummington Mall, MCS B21
Tea and cookies in MCS 144 at 3:45 pm

Abstract: We develop a natural extension to commutative rings of the theory of star operations on integral domains and apply the theory to study generalizations of Dedekind domains, Prüfer domains, UFDs, Krull domains, PVMDs, and class groups to commutative rings with or without zerodivisors.