Generalizations of Dedekind domains and integer-valued polynomials

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Abstract

This talk will provide a snapshot of contemporary commutative algebra. In classical commutative algebra and algebraic number theory, the Dedekind domains are the most important class of rings. Modern commutative algebra studies numerous generalizations of the Dedekind domains in attempts to generalize results of algebraic number theory. This talk will introduce a few important generalizations of the Dedekind domains, such as the Krull domains and the PVMD’s. Particular attention will be given to examples provided by integer-valued polynomial rings.

Thursday June 25 at 1:30 pm
Millikan 208, Pomona College
After the talk, meet Prof. Elliott, Harry’s Room (ML 209)