

*Department of Mathematics and Statistics
Colloquium Lecture Series*

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The Representation of Semi-Hereditary Bezout Semigroups

A Bezout semigroup S is called *semi-hereditary* if for each a in S there is an idempotent in S that generates the annihilator of a . Our main result states that a semigroup is a semi-hereditary Bezout semigroup if and only if it is isomorphic to a *semigroup of divisibility*, i.e. the semigroup of principal ideals in a semi-hereditary Bezout ring partially ordered by reverse inclusion. This is joint work with Pham Ngoc Anh of the Hungarian Academy of Sciences.

*Thursday, February 14, 2008
Chapman 104
2:05 – 3:05 pm*

Refreshments after the talk in Chapman 101A