

UIC Model Theory Seminar, February 23, 2004

Note special day and location: 4pm in 627 SEO

**Commutativity and a generalization of stability
in model theory**

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A description of weakly classifiable classes of models closed under Cartesian products is given. For these classes an elimination of quantifiers is proved. A new generalization of stability is defined and an analogue of Shelah's definability theorem is proved for it. It is proved that many "good" classes of theories (o-minimal, strongly minimal, stable, etc.) are definable using only this notion.