

Time: Thursday May 5th, 2011 8:30am
Location: Buchanan A202

Factor and Embedding problem

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A fundamental problem in mathematics is to find conditions for existence of injective, surjective and bijective maps between various objects, subject to natural restrictions. We will discuss this in the context of the class of symbolic dynamical systems. Here, the objects are shift spaces, which consist of bi-infinite sequences with entries from a finite alphabet excluding those having certain pre-specified patterns.