University of Puerto Rico Mayaguez Campus
Faculty of Arts and Sciences
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THE DEPARTMENT OF MATHEMATICAL SCIENCES PROUDLY PRESENTS

COLLOQUIUM

FALL 2014

Determining the computational complexity of an isomorphism

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ABSTRACT

A common problem in computable structure theory is that of determining how complex it is to construct an isomorphism between two computable structures. The solution often requires an understanding of the structural properties of the models in question. Computability grants us access to tools for coding structures in some class into structures from another class. If done correctly, the coding allows us to transfer information from one class to another. No knowledge of computability, and only minimal knowledge of logic, will be assumed.

Monzón Building, Room 201, 10:45 AM
Refreshments will be served
15 minutes before the colloquium, M213