CMM

Center for
Mathematical
Modeling

AGCO Seminar

Speaker: Pablo Barcelo, Instituto de Ingeniería Matemática y Computacional (IMC), UC.

Title: The AGM Bound.

Abstract: In several computer science applications one encounters the following problem: Given two edge-labeled graphs G and H, how many homomorphic images of H can be found in G? Atserias, Grohe, and Marx developed a tight bound for this number, denoted #Hom(H,G), which is now known as the AGM bound. The bound relates #Hom(H,G) with the fractional edge covers of H in a very elegant and direct way. We will present a self-contained and simple proof of this result using Shearer's inequality.

When: June 29, **15:00 hrs.**

Where: Sala de Seminario von Neuman, CMM, Beauchef 851, torre norte.