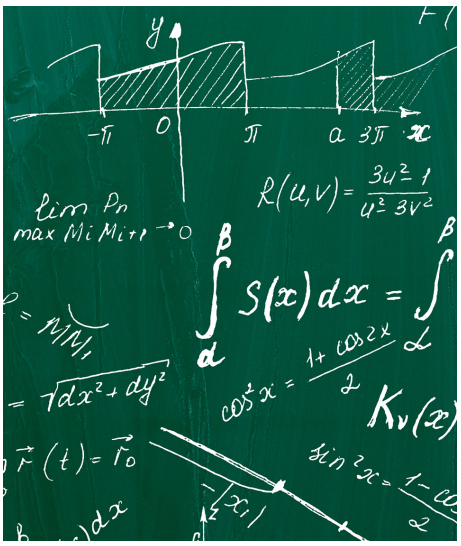
UNIVERSIDAD DE GRANADA

Departamento de
Teoría e Historia
Económica

Seminario: Adriana Navarro-Ramos (Université J. Monnet St-Etienne)

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Título: Sharing the cost of hazardous transportation networks and the Priority Shapley value.

Sala: E22

Hora: 12.30

Resumen: We consider the cost sharing issue resulting from the maintenance of a hazardous waste transportation network represented by a sink tree. The participating agents are located on the nodes of the network and must transport their waste to the sink through costly network portions. We introduce the Liability rule, which is inspired by the principles applied by the courts to settle costallocation disputes in the context of hazardous waste. We provide an axiomatic characterization of this rule. Furthermore, we show that the Liability rule coincides with the Priority Shapley value, a new allocation rule on an appropriate class of multi-choice games arising from hazardous waste transportation problems. Finally, we also axiomatize the Priority Shapley value on the full domain of multi-choice games.

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