FACULTAD DE CIENCIAS
FÍSICAS Y MATEMÁTICAS
UNIVERSIDAD DE CHILE

CMM
Center for
Mathematical
Modeling

cmm.uchile.cl

Beauchef 851, edificio norte, piso 7
Santiago, CHILE
CP 837 0456

tel +56 2 2978 4870

AGCO Seminar

Author

Mathieu Mari
École Normale Supérieurem, Francia

Title

Maximizing Covered Area in a Euclidean Plane with Connectivity Constraint

Abstract: Given a set of unit disks in the plane and an integer K, the maximum area connected subset problem asks for a subset of K disks covering the maximum area, under the constraint that the area covered by the K disks is connected. This problem is motivated by wireless router deployment and is a special case of maximizing a submodular function under a connectivity constraint.

Where: Republica 701, Sala 33.

When: Wednesday, March 20, 14:30