

MATH-632

Semidefinite Optimization and Applications to Geometric and Combinatorial Problems

Dostert Maria Margarethe, Viazovska Maryna

Cursus	Sem.	Type
Mathematics		Obl.

Language of teaching	English
Credits	2
Session	
Exam	Written & Oral
Workload	60h
Hours	42
Courses	14
TP	28
Number of positions	10

Frequency

Only this year

Remark

Next time : Fall 2019 From :07.10.19 to : 20.12.19

Summary

This course covers the following topics: Introduction to conic optimization, Duality in conic programming, Sums of squares/ Semidefinite relaxation for independence number and chromatic number, Harmonic analysis on [owe, sets, Lasserre's hierarchy, Packing on the sphere

Content