EPFL

MATH-632   **Semidefinite Optimization and Applications to Geometric and Combinatorial Problems**

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Cursus	Sem.	Type
Mathematics		Opt.

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: 2021-22

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