



MATH2130 Riemannian geometry

[22.5h] 2.5 credits

This course is taught in the 1st semester

Language: French

Level: Second cycle

Aims

The course aims to give an introduction to the metric theory of manifolds from the tools of topology, analysis and geometry elaborated in the other courses of the 3rd year.

Main themes

The course's object is the study of Riemannian manifolds. It contains the basic results and treats of important examples that are the hyperbolic spaces, the Lie groups and the symmetric spaces.

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Prerequisites: course of differential geometry.

Programmes in which this activity is taught

MAP2 Ingénieur civil en mathématiques appliquées

Other credits in programs

MATH21/G Première licence en sciences mathématiques (Général) (2.5 credits)

MATH22/G Deuxième licence en sciences mathématiques (2.5 credits)