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Partial hyperbolicity conservative and dissipative
This course will introduce the partially hyperbolic systems, a class of dynamics that generalizes the uniformly hyperbolic systems and has been intensively studied these last years. One will focus on the construction of examples and on the fundamental tools developed in this subject: invariant manifolds, coherence, accessibility. These technics will appear in A. Wilkinson's course, which is the continuation of this one. No background on hyperbolic dynamics is required and the course may be completed by an exercise session.