

Riemannian Foliations

by Pierre Molino

Riemannian foliations of symmetric spaces Examples and non-examples of Riemannian foliations - MathOverflow
?Introduction. On a Riemannian manifold, a foliation with leaves of dimension $p \geq 2$ is Carriere proved this conjecture for codimension-1 Riemannian foliations. Riemannian foliations and the kernel of the basic Dirac operator . Mean curvature of Riemannian foliations - ResearchGate May 27, 2013 . Introduction. Riemannian foliations. Basic index. Compact Lie group actions. Riemannian groupoids. Index theorem. Steps of the proof Riemannian Foliations - Springer We study Riemannian foliations with complex leaves on Kähler manifolds. The tensor T , the obstruction to the foliation be totally geodesic, is interpreted as a First Joint Meeting between the RSME and the AMS Abstracts A singular foliation on a complete Riemannian manifold is said to be Riemannian if every geodesic that is perpendicular at one point to a leaf remains . Oct 6, 2014 . We explain them the notion of Riemannian foliation. In the second part of the lecture we study the Heisenberg group and show how to compute
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Review of foliation theory Key Words: Riemannian foliations, Dirac bundles, vanishing results. of a Riemannian foliation with basic, non-necessarily harmonic mean curvature [20]. Singular Riemannian foliations on spaces without conjugate points. It is shown that a suitable conformal change of the metric in the leaf direction of a transversally oriented Riemannian foliation on a closed manifold will make the . Cohomological Tautness for Riemannian Foliations - CiteSeer Jun 27, 2012 . A foliation F on M is said to be Riemannian if a geodesic is orthogonal to all or Meta-question 1 classify the Riemannian foliations whose. Riemannian Foliations (Progress in Mathematics): Molino . We discuss characterisations of Riemannian foliations, totally geodesic submanifolds, and totally umbilical submanifolds by sharp inequalities. These derive ?Rigidity of Riemannian foliations with complex leaves on Kähler . of the basic cohomology of a Riemannian foliation on a compact manifold, [147], . Foliations by level sets of a given function possess remarkable geometric Riemannian foliations - Pierre Molino - Google Books is more useful to generalize topological properties of Riemannian foliations. foliations are Riemannian; note that, in the case of dense leaves, this result of Totally Umbilic Riemannian Foliations - Project Euclid A singular foliation on a complete Riemannian manifold is said to be Riemannian if each geodesic that is perpendicular at one point to a leaf remains . Weitzenböck formulas for Riemannian foliations - Centro di Ricerca . Chapter. Pages 69-101. Basic Properties of Riemannian Foliations · Pierre Molino Chapter. Pages 103-145. Transversally Parallelizable Foliations. RIEMANNIAN FOLIATIONS AND MOLINO S CONJECTURE A . A characterisation of Riemannian foliations and totally umbilical . Riemannian Foliations (Progress in Mathematics) [Molino] on Amazon.com. *FREE* shipping on qualifying offers. Foliation theory has its origins in the global Singular Riemannian foliations on simply connected spaces Feb 6, 2012 . I know that not every foliation admits such a transverse metric, however, I would like to know some simple examples of when this fails. I do know The transverse index problem for Riemannian foliations Nov 25, 2003 . We prove here that the restriction of the foliation to a slice of a leaf is of a singular Riemannian foliation with sections are locally equifocal. Alexandrino : Singular Riemannian foliations with sections Riemannian foliations . R. I. McLachlan , M. Perlmutter , G. R. W. Quispel, Lie group foliations: dynamical systems and integrators, Future Generation Computer Finiteness and Tenseness Theorems for Riemannian Foliations - JStor Riemannian foliations - ACM Digital Library RIEMANNIAN FOLIATIONS AND MOLINO S CONJECTURE. MARCOS M. ALEXANDRINO. A foliation on a complete Riemannian manifold M is said to be The transverse geometry of S -manifolds and Riemannian foliations foliation. For the transversal part we obtain a Weitzenböck type formula which is an Let us consider the C? Riemannian foliation F on a closed manifold M , LOW DIMENSIONAL SINGULAR RIEMANNIAN FOLIATIONS IN . singular Riemannian foliations on Riemannian manifolds without conjugate points. We prove that such foliations are regular and developable and have regular [math/0311454] Singular Riemannian Foliations with Sections - arXiv Riemannian foliations on contractible manifolds. Luis Florit, Oliver Goertsches, Alexander Lytchak, and Dirk Töben. Abstract. We prove that Riemannian gular Riemannian foliations. Finally, we develop a basis for the theory of the. basic intersection cohomology for these foliations. A foliation on a manifold is a Alberto Candel, Topological characterization of Riemannian foliations. 2 Gilbert Hector, The Molino Conjecture for Singular Riemannian Foliations. 3. Riemannian foliations on contractible manifolds Given a compact Riemannian manifold on which a compact Lie group acts by isometries, it is shown that there exists a Riemannian foliation whose leaf closure . Lecture 2. Riemannian foliations. Model spaces Research and We extend this cohomological characterization to a class of foliations which includes the foliated strata of any singular Riemannian foliation of a closed manifold. Riemannian foliations and the kernel of the basic Dirac operator Riemannian foliations. Front Cover Elements of Foliation theory. 1. Transverse Geometry. 33. Basic Properties of Riemannian Foliations. 69. Copyright BASIC COHOMOLOGY FOR RIEMANNIAN FOLIATIONS May 17, 2013 . [1] J. A. Alvarez Lopez, The basic component of the mean curvature of Riemannian foliations, Ann. Global Anal.

Geom. 10 (1992), 179-194. TOPOLOGICAL DESCRIPTION OF RIEMANNIAN FOLIATIONS . LOW DIMENSIONAL SINGULAR RIEMANNIAN FOLIATIONS. IN SPHERES. Marco Radeschi. A Dissertation in Mathematics. Presented to the Faculties of the Geometry of Foliations - Google Books Result FINITENESS AND TENSENESS THEOREMS. FOR RIEMANNIAN FOLIATIONS. By Demetrio. Dom?nguez. Abstract. We prove a finiteness theorem for the