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Title:	Study of Riemannian Geometry
Authors:	Tanwar, Jyoti (/jspui/browse?type=author&value=Tanwar%2C+Jyoti)
Keywords:	Riemannian Geometry Theorem of Cartan Jacobi fields Conjugate points
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Abstract:	In this reading project, I have focus on two main theorems of Riemannian geometry, namely Cartan and Rauch theorems. These two theorems provide us two compare the geometrical properties of a given Riemannian manifold with the other one. I started with studying all the tools that are necessary for understanding these theorems. I thoroughly studied Riemannian manifolds, geodesics, connections, curvature and the most interesting Jacobi fields.
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