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## **Conjugate and focal points in semi-Riemann geometry**

Abstract: The focal locus  $F(p)$  of a smooth submanifold  $P$  of a semi-Riemannian manifold is considered in the normal bundle  $NP$  of  $P$  and also the image of  $F(P)$  in  $M$  under the exponential map. The possible types of focal points are studied.