

Advanced Topics in Geometry E1 (MTH.B505)

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Correction

Geodesic

• properties of geodesics:

6th 7th lectures

Definition (Def. 4.12)

A curve $\gamma(t)$ on M whose acceleration vector field vanishes identically is called a geodesic on M .

\Rightarrow

Definition (Def. 4.12)

A curve $\gamma(t)$ on M such that $[\ddot{\gamma}]^T$ vanishes identically is called a geodesic on M .

the tangent component

$[\ddot{\gamma}]^T$