

On some classes of immersions into tangent bundle.

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The isometric immersion $f : (M, g) \longrightarrow (N, \bar{g})$ of Riemannian manifolds gives rise in a natural way to immersions $\tilde{f} : TM \longrightarrow TN$ or $\tilde{f} : T^\perp M \longrightarrow TN$, where TN is equipped with non-degenerate \bar{g} -natural metric \overline{G} . We propose investigation of such immersions generated by vector fields either tangent to M or normal to M .

References

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