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Title: Conformal vector fields on vector bundle manifolds with spherically symmetric metrics

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In this paper, we investigate conformal vector fields on vector bundle manifolds when endowed with *spherically symmetric metrics*. We construct a class of non-trivial conformal vector fields, and establish a classification theorem for conformal horizontal vector fields. Conformal gradient vector fields are investigated and closed vector fields are studied in detail. Finally, we focus on finding some examples of parallel vector fields as well as some of their classification results.

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