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THE COMPLETE AND HORIZONTAL LIFTS OF TENSOR FIELDS OF TYPE $(1,q)$ IN $T_2^0(M_n)$.

Abstract

The complete and horizontal lifts of a tensor field s of type $(1,q)$ *to a tensor fiber of type* $(0,2)$ *along a pure tensor sfubfiber of type* $(0,2)$ *is determined by means of the I and II kind Yano-Ako generalized operator. Invariance of complete and horizontal lifts are also established. The principal properties of a complete lift of tensor fields to a tensor fiber of type* $(0,2)$ *are defined. Complete lifts of a tensor of Neyenheyes affinors to a tensor fiber of type* $(0,2)$ *along the pure tensor fiber of type* $(0,2)$ *are structured. The relation between complete and horizontal lifts of tensor fields of type* $(1,q)$ *to a tensor fiber of type* $(0,2)$ *along a pure tensor subfeber of type* $(0,2)$ *is investigated. Principal properties of a horizontal lift of tensor fields of type* $(1,q)$ *are studied.*