Analele Universității Oradea Fasc. Matematica, Tom XVIII (2011), 19–25

ON TRANSVERSALLY CHERN-FINSLER CONNECTION

CRISTIAN IDA

ABSTRACT. In this note we define the transversally Finsler holomorphic foliation notion and we prove that the lifted foliation to the transversal bundle is a hermitian foliation. Also, the transversally Chern-Finsler connection adapted to this foliation is studied.

DEPARTMENT OF MATHEMATICS AND INFORMATICS, TRANSILVANIA UNIVERSITY OF BRAŞOV, ROMÂNIA, BRAŞOV 500091, STR. IULIU MANIU 50 *E-mail address:* cristian.ida@unitbv.ro

19

²⁰⁰⁰ Mathematics Subject Classification. 53C12, 53B40.

Key words and phrases. Finsler holomorphic foliation, transversally Chern-Finsler connection.