C-CONFORMAL METRIC TRANSFORMATIONS ON FINSLERIAN HYPERSURFACE

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Abstract. The purpose of the paper is to give some relation between the original Finslerian hypersurface and other C-conformal Finslerian hypersufaces. In this paper we define three types of hypersufaces, which were called a hyperplane of the 1st kind, hyperplane of the 2nd kind and hyperplane of the 3rd kind under consideration of C-conformal metric transformation.

Key words: Finsler spaces, Finsler hypersurface, Conformal, C-conformal, Hyperplane of 1st kind, 2nd kind and 3rd kind.