

The research method is based on the Differential-Geometrical Method developed by Prof. G.Laptev and on the Method of Cartan Outer Forms. The results of research are obtained with application of the Theory of Connections in the stratified spaces in the form proposed by G.Laptev [2] and with concepts introduced by B. Chen [3].

The paper deals with problems of the Differential Geometry of the  $m$ -dimensional element in a conformal space. The distribution of the  $m$ -dimensional linear element and foliation  $C_{n-1}$  are discussed. The sheets of the foliation form a local foliation in a neighborhood  $U \subset C_{n-1}$  of each point. The layers of the foliation are the intersections of the sheets with the neighborhood  $U \subset C_{n-1}$ .

There have been shown that normal and tangent distributions determine the normalization of the space  $C_{n-1}$ . The representation of the distribution of the  $m$ -dimensional linear elements allows transforming it in conformal plane Weil's space with assistant of the normalizations. The normalizations are defined by various objects. There have been obtained the first and the second conformal plane Weil's connections. There have been constructed the normal connection named as Euclidean for distribution of  $m$ -dimensional linear element. Euclidean connection arises without any equipment and is interpreted as the connection that is induced by the structure of the first conformal plane Weil's connection.

There have been shown that Weil's connections originate both in normal and in tangent stratification of the distribution  $\Delta$ .

1. Cartan E. Les espaces a connexion projective. Ann. Soc. Pol. Math. 1923, v.2, p. 57-121.
2. Laptev G. Differential geometry of immersed manifolds: Theoretical and group method of differential-geometrical researches, Proceedings of Moscow Mathematical society, 1953, v. 2, p. 275-382.
3. Chen B.-Y. Geometry of submanifolds. New York. M. Dekker. 1973.