

If in (2) we apply a contraction in  $i$  and  $j$  we have

$$T_{k,r} = \text{GENERALISED-T-BIRECURRENT AFFINE CONNECTIONS} \quad (5)$$

where  $Q_k = Q^i_{ik}$  and it follows:

Definition 2: The  $A_n$  P. ENGIȘ spaces which satisfy (5) are called spaces with generalized T-birecurrent torsion vector.

From the way (5) was obtained from (2) it follows:

Let  $A_n$  be a space  $A_n$  with affine connection  $\gamma$ . In a local coordinate system, we denote by  $\gamma^i_{jk}$  the components of the affine connection, by  $T^i_{jk}$  the components of the torsion tensor of the connection  $\gamma$  and by  $Q_k = Q^i_{ik}$  the components of the torsion vector.