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One of the outstanding problems in Finsler geometry is to provide examples of proper Landsberg spaces. Such spaces have the property that the Finsler metric is parallel with respect to the Finslerian connection. “Proper” here means that the connection should not be a linear connection and that the generalized forces in the geodesics are homogeneous of degree two. It is unknown whether such spaces exist. In this paper we report on some progress towards the solution of this old problem. (Received August 30, 2005)