

Meeting: 1006, Lubbock, Texas, SS 2A, Special Session on Differential Geometry and Its Applications

1006-53-152 **Er Xiao Wang*** (ewang@math.utexas.edu), Department of Mathematics, 1 University Station
C1200, Austin, TX 78712-0257. *Transformations of affine spheres.*

We identify the classical Tzitzéica transformations for affine spheres as dressing actions of rational twisted loop group elements. Then we discuss the permutability formula and the group structure of these transformations. (Received February 13, 2005)