



*Circles C_1 and C_2 lying on the sphere, and meeting at P , meet again at N , with the same angle. The tangents to the stereographic images of C_1 and C_2 at $s_N(P)$ are parallel to the tangents to C_1 and C_2 at N , and hence also meet at the same angle. (Proof taken from *Modern Geometry with Applications*, by George Jennings, Springer Universitext, 1994).*