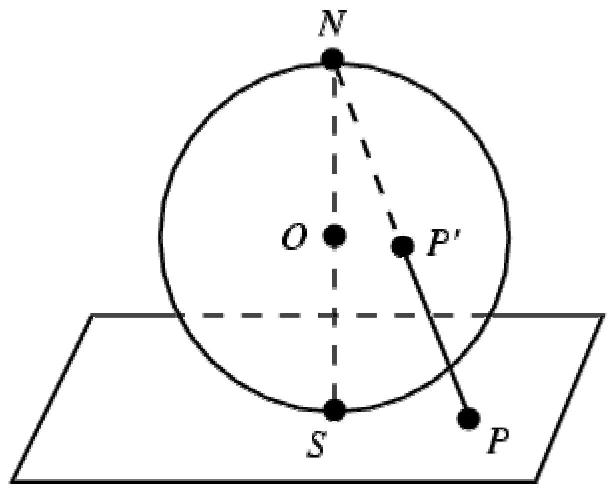

Stereographic projection

This map is a one-to-one correspondence between all the points on the sphere except the North Pole ***N*** and the tangent plane to the sphere at the South Pole ***S.*** The points ***P*** and ***P′*** correspond under stereographic projection in this picture, and the South Pole ***S*** is sent to itself. Another illustration of stereographic projection is given below.