## XXIV

## ON QUATERNIONS APPLIED TO PROBLEMS RESPECTING THE CONSTRUCTION OF A CIRCLE TOUCHING THREE GIVEN CIRCLES ON A SPHERE, AND OF A SPHERE TOUCHING FOUR GIVEN SPHERES

Communicated 11 December 1848.
[Proc. Roy. Irish Acad. vol. iv (1850), p. 255.]
Sir W.R. Hamilton gave an account of the application of the calculus of quaternions to problems respecting the construction of a circle touching three given circles on a sphere; and of a sphere touching four given spheres.

