## A GENERALIZATION OF PASCAL'S THEOREM

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## William Rowan Hamilton

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## A Generalization of Pascal's Theorem. By Sir William R. Hamilton.

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Sir William R. Hamilton communicated to the Academy a generalization of Pascal's theorem, to which he had been led by the method of quaternions.

Equation of Homodeuterism:

 $\Sigma(\pm ABCDEF . GHIK) = 0$ 

ABCDEF = aconic function of a hexagon; GHIK =volume of a pyramid.

Sir Wm. R. Hamilton proposes to give a more full explanation of the nature of this equation of homodeuterism, and of what he calls the aconic function of a hexagon, at a future meeting of the Academy. The equation itself was exhibited by him to some scientific friends so long ago as the August and September of 1849; and also at the Meeting of the British Association, at Edinburgh, in 1850.