The Geometrical Theorems of Pascal and Penrose

John Conway
Princeton University

Pascals Hexagon Theorem was once well known, although the story that its 16-year-old author deduced all the theorems of Apollonius from it may not be true. Ill discuss the similarities between the discovery of this theorem and a slightly more recent theorem due to Roger Penrose.

In the nineteenth century, Pascals theorem was greatly expanded by the work of Steiner, Plcker, Kirkman, Cayley, and Salmon. Ill give a very short new proof of all their results.

For more information please visit the seminar website at: http://www.math.nyu.edu/seminars/geometry_seminar.html.