1131-20-75   **Rigoberto Florez*** (`rflorez1@citadel.edu`), 171 Moultri St., Department of Mathematics, Charleston, SC 29409. *Projective Rectangles.* Preliminary report.

A *projective rectangle* (PR) is a generalization of the projective plane concept. The elements of this incidence structure are called points and lines. There is a special point and the lines containing the special point are called special. A projective plane is a familiar example of a PP. In this case any point can play the role of special. However, in a more general case there is a unique special point, as well special lines and parallel lines. This is a work in progress.

In this talk we discuss an axiomatization of PR. We give examples and some of its properties. We also present some connections with graphs, biased graphs and harmonic matroids. (Received July 03, 2017)