1151-05-176   **Rigoberto Florez*** (`rflorez1@citadel.edu`), 171 Moultrie St., Dep. of Mathematical Sciences, Charleston, SC 29409, and **Thomas Zaslavsky**. *More about 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 two type of lines; special lines (containing the special point) and ordinary lines. A projective plane is a known example of a projective rectangle –in this case any point can play the role of special. However, in a more general case there is a unique special point.

In this talk we discuss new examples of PR and give some connections with full algebraic matroids (harmonic matroids), graphs theory, biased graphs, and orthogonal arrays. This work is in progress and in collaboration with T. Zaslavsky. (Received August 17, 2019)

1