1117-20-484 Mark B Greer* (mgreer@una.edu), One Harrison Plaza, UNA Box 5051, Florence, AL 35632. A general construction for simple right conjugacy closed loops.

A loop Q is a right conjugacy closed loop (or RCC loop) if R_Q is closed under conjugation. In this talk, we give the first general construction of a large class of nonassociative, finite simple RCC loops. Our construction by no means accounts for all such loops, thus a full classification of finite simple RCC loops is still elusive. It turns out that our construction is not new, but is easily seen to be equivalent to a construction by Hall for non-Desarguesian planes, called Hall planes. Though Hall planes of the same order are isomorphic, the same is not true for the associated RCC loops. Hence, we will discuss the classification of such loops. (Received January 19, 2016)