1163-57-509 **Ramin Naimi**, Occidental College, Los Angeles, CA 90041, **Andrei Pavelescu**, University of South Alabama, Mobile, AL 36688, and **Elena Pavelescu***, University of South Alabama, Mobile, AL 36688. *Bounds for maximal linkless graphs.*

A linklessly embeddable graph G is *maxnil* if it is not a proper subgraph of a linklessly embeddable graph of the same order. The property of being maxnil is, in a way, analogous to the property of being maximal planar. While it is well known that every maximal planar graph with n vertices has $3n - 6$ edges, an analogous statement for maxnil graphs does not exist. In this talk we discuss properties of maxnil graphs, and we present two new families of maximal linklessly embeddable graphs on n vertices: one family with $3n - 5$ edges for all $n \geq 10$, and another family with n vertices and $m < \frac{25n}{12}$ edges for all $n \geq 13$. (Received September 08, 2020)