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**Devon Henkis\*** ([devonhenkis@my.unt.edu](mailto:devonhenkis@my.unt.edu)), Department of Mathematics, University of North Texas, Denton, TX 76203, and **Jeff Lobe** and **Steve Jackson**. *Restricted Steinhaus sets in the plane*. Preliminary report.

For each prime  $p$  we show the existence of a partial Steinhaus set in the plane for the prime  $p$  which can be obtained from the points  $\{(\frac{i}{p}, \frac{j}{p}) : 0 \leq i, j < p\}$  by translating by integer amounts only in the horizontal direction. We raise several questions concerning these sets. (Received September 17, 2013)