

**Meeting:** 1002, Pittsburgh, Pennsylvania, SS 2A, Special Session on Convexity and Combinatorics

1002-52-11      **T. Bisztriczky\*** (tbisztri@math.ucalgary.ca), Dept. of Mathematics and Statistics,  
University of Calgary, Calgary, Alberta T2N 1N4, Canada, and **F. Fodor** and **D. Oliveros**. *Large  
transversals to small families of unit disks.*

We determine conditions under which a finite family  $F$  of disjoint unit disks has a transversal line that intersects all but at most one member of the family. This problem is closely related to the Katchalski-Lewis Conjecture for plane convex sets. We show that  $T(4)$  implies  $T-1$  if  $F$  has at most seven elements. (Received May 19, 2004)