1009-52-96   **Jesus Jeronimo*** (`jeronimo@cimat.mx`), Callejon Jalisco s/n, Mineral de Valenciana, Guanajuato, 36000. *Line transversals to translates of unit discs.* Preliminary report.

Let $\mathcal{F}$ be a family of convex figures in the plane. We say that $\mathcal{F}$ has property T if there exist a line intersecting every member of $\mathcal{F}$. Also, we say that the family $\mathcal{F}$ has property $T(k)$ if every $k - membered$ subfamily of $\mathcal{F}$ has property T.

We have the next problem:

Let C be a centrally symmetric convex figure and let $\mathcal{F} = \{x_i + C\}$ be a finite family of translates of C such that $\mathcal{F}$ has property $T(m)$. What is the smallest positive $\lambda = \lambda(C, m)$ such that, for every $\mathcal{F}$ satisfying the above conditions, the family $\mathcal{F}' = \{x_i + \lambda C\}$ has property T?

In this talk we will give some results in this direction concerning families of translates of the unit disc. (Received August 08, 2005)

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