

### **On some families of convex sets and OT-sets**

In our talk some properties of certain families of convex subsets of Euclidean spaces are discussed. An application of these properties for establishing corresponding properties of independent families of convex bodies is presented. Also, the problem of extension of a finite point OT-set to a countably infinite OT-set is considered. A theorem on the extension of a finite OT-set to a bounded and countably infinite OT- set is formulated.