962-52-664 **Ted Bisztriczky*** (tbisztri@math.ucalgary.ca). *Separation in neighbourly 4-polytopes.*

For certain classes of neighbourly 4-polytopes P,an interior point of P is strictly separated from any facet of P by one of at most nine hyperplanes.This result was proved for the class of cyclic 4-polytopes by K.Bezdek and the presenter in 1993.The present results are due to D.Oliveros-Braniff, W.Finbow-Singh and the presenter. (Received September 19, 2000)