1012-57-42Anar Akhmedov* (aakhmedo@math.uci.edu), 5912 Verano Place, Irvine, CA 92617. Exotic
smooth structures on manifolds with small Euler characteristic. Preliminary report.In this paper we develope a uniform technique that yields infinitely many distinct smooth structures on $CP^2 \# k \bar{CP}^2$ fork = 5, 6 and on $3CP^2 \# 8 \bar{CP}^2$. (Received August 19, 2005)