Tuyen Trung Truong* (tutruong@syr.edu), Department of Mathematics, Room 215 Carnegie Building, Syracuse University, Syracuse, NY 13244. On automorphisms of blowups of $P^3$ or $P^2 \times P^1$.

We will present a heuristic argument to show that it is difficult to find automorphisms $f : X \to X$ of positive entropies on compact Kahler manifolds $X$ of dimension at least 3, and will discuss in detail the cases when $X$ is a blowup of $P^3$, or $P^2 \times P^1$, or $P^1 \times P^1 \times P^1$. (Received September 13, 2012)