1056-11-1751   **Arthur Baragar*** (`baragar@unlv.nevada.edu`), University of Nevada Las Vegas, 4505 Maryland Parkway, Las Vegas, NV 89154-4020. *Some fractals associated to $K3$ surfaces.*

In this talk, we look at the fractal nature of the boundary at infinity of the ample cone for some $K3$ surfaces, and relate it to the asymptotic growth of rational points under the action of the surface's group of automorphisms. (Received September 22, 2009)