1078-11-232 **Arthur Baragar*** (`baragar@unlv.nevada.edu`), 4505 Maryland Parkway, Box 4020, Las Vegas, NV 89054-4020. *Vector heights.*

In this talk, we discuss the notion of a vector height for a K3 surface – a height from the surface to its Picard group tensored with $\mathbb{R}$. We discuss the uniqueness of vector heights; their relationship with Weil heights; and the advantage of using vector heights. (Received December 09, 2011)