1106-46-1218 **Hueytzen J. Wu*** (kfhjw00@tamuk.edu), Department of Mathematics, MSC 172, Texas A & M University - Kingasville, Kingsville, TX 78363, and **Wan-Hong Wu**. *Generalized Stone-Weierstrass Theorem for C*(Y).*

Let C*(Y) be the set of all bounded real continuous functions on a topological space Y with the supremum norm. Let R be the equivalence relation on the set S of all C*(Y)-nets defined by [xi] R [xj] iff lim[f(xi)] is equal to lim[f(xj)] for all f in C*(Y). Let [xi]* be the equivalence class containing the C*(Y)-net [xi]. Theorem A vector sublattice V of C*(Y) is dense in C*(Y) with the supremum norm iff (1) For two different equivalence classes [xi]* and [xj]*, there is an f in V such that lim[f(xi)] is not equal to lim[f(xj)]; (2) For each [xi]* and each positive real number t, there exists a g in V such that 1 - lim[g(xi)]/[(g)] is less than t, where [(g)] is the supremum norm of g. (Received September 12, 2014)