Study of Higgs mode near quantum critical points YEJIN HUH,
SUBIR SACHDEV, Harvard University — We present a study of Higgs excita-
tion mode in different quantum theories in 2 space dimensions. $O(N)$ theory and
$CP(N)$ theory near the quantum critical points will be discussed for zero and fi-
nite temperature. Electron systems with fermi surfaces will be studied under this
framework.

Yejin Huh
Harvard University

Date submitted: 09 Nov 2012   Electronic form version 1.4