

MAT 566: Differential Topology
Fall 2006

Problem Set 6

Due on Thursday, 11/30, by 5pm in Math 3-117

Please do 16-B plus one of the following problems: Problem (vi), 15-B, 16-C, 16-D, 16-E, or 16-F

Problem (vi): Show that a real vector bundle $V \rightarrow B$ is orientable if and only if $w_1(V) = 0$.