Dendel Deguia

8.2.16 In order to evaluate 1/B/1, we must find the eigenvalues of BTB; the largest of these eigenvalues, Amox, Corresponds to the lanorm of B where ||B||_= 17 max Likewise, to evaluate 110B1/2, we must Find the eigenvalues of (UB) (UB). However, note that: (UB)(UB)=BT(UTU)B and since UTU=I, BT(UTU)B = BT IB = BTB. Johns, finding the eigenvalues of (UB)T(UB) is the same as finding the eigenvalues of BTB, so we must and hence, also have \|UB\|_2 = \] max 11UBII2=11BII2