

190367 N by theorem, trace(A) = \{\lambda; => trace (AMA) = 0 + 62 + ... + 62 => trace(AMA) = E 5? => Strace (AMA) = [Za; 2 > 11 Alle = 5 & 5;2 - 3 (: MABIL SVAINBI) $\Rightarrow f(A^{H}A) \leq \int \xi |a_{ij}|^{2} |\xi |a_{ij}|^{2}$ Since #2 EC, [Z] = [Z], => P(AHA) ≤ ≤ [ai] 2 => P(AMA) < [\(\xi_{\(\alpha \)} \) | > || A|| 2 ≤ || A|| € -- 3 by D. O. 3 we have, ||A2|| = max (5; } < || A||_ = [5;2] where of >0 are the singular values of A/.