



Scanned with CamScanner

87,22--- Z Z Z Z R K K W principal component graysis: Reduce data som os dimension to k dimension Confite couring matria. (Signa) m = (xi) (xi)Covaria-cenation is calculate by ( suppose up have matrix 9, Calulate and of Each feature which is colymn new) Sunce) sunce) - Sunce eigenalus Ey, S, V] = 5vd (Sigma)

eigenalus eigenacus Singlulan value

A-1I) X = 0 — (1)

A-1I) X = 0 — (1) Identity natural solver colons 0 A-1I =0 capalat of from here & Rut 1- 1177 Eigen of  $Z = \begin{bmatrix} y^{1} \\ y^{2} \end{bmatrix} \cdot y = \begin{bmatrix} --(y^{1})^{T} \\ (y^{2})^{T} \end{bmatrix}$ Scanned with CamScanner

