Some Projective Dynamic Models for Eigenvalue Problems Li Zhi Liao

liliao@hkbu.edu.hk

DEPARTMENT OF MATHEMATICS, HONG KONG BAPTIST UNIVERSITY, HONG KONG

In this talk, we will present some projective dynamic models for eigenvalue problems of symmetric matrices. These models are developed based on some constrained optimization problems whose solutions correspond to the eigenvalue problems of symmetric matrices. The convergence of these models will be fully addressed. In addition, some promising numerical results will be also reported.