

Perturbation Analysis for Eigensystems

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In this talk we present some perturbation results for matrix eigensystems, the perturbation bound and the explicit formula of the structured backward error of eigensystems for some structured matrices are given.

Joint work with Weiwei Sun (CityU), Wai-Ki Ching (HKU), Xiaoshan Chen (SCNU), Weiwei Xu (CAS), and Yanmei Chen (GPNU).