Matrix Computations and Scientific Computing Seminar

Organizer: J. Demmel and M. Gu

Wednesday, 11:00 am–12:00 pm, 380 Soda Hall

Feb 8   **Beresford Parlett**, UC Berkeley
Fiedler and almost-tridiagonal matrices

We begin with Fiedler's 2003 paper in which he introduced his new 5-diagonal companion matrix. Then we review a few diverse topics that introduce special interesting matrices: CMV,banded with banded inverse, and quasi-separable. We show the connecting link and note that all of the forms are invariant under the LR transform.