

Matrix Computations & Scientific Computing Seminar

Organizer: James Demmel & Ming Gu

Wednesday, 11:00am–12:00pm, 380 Soda

March 30 **W. Kahan**, UC Berkeley

A Tutorial Overview of Vector and Matrix Norms

This tutorial is to be posted on Prof. Kahan's web page <www.eecs.berkeley.edu/~wkahan/MathH110>, q.v.

Intended for new graduate students whose experience as undergraduates may have prepared them inadequately to apply norms to numerical error-analyses and to proofs of convergence, this tutorial surveys norms for finite-dimensional real spaces in a way that may ease a transition to the infinite-dimensional spaces of Functional Analysis. Among the overview's topics are some more useful than implied by their absence from most curricula.

Parts I & II of the overview were presented last Fall semester and should be reviewed in preparation for parts III etc. And opportunities for questions will be offered.