

Matrix Computations and Scientific Computing Seminar

Organizer: J. Demmel and M. Gu

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

Feb 22 **Joe Grcar**, LBNL, retired

Research Trends in Numerical Analysis

survey NA publications over the decade 1990 to 2011 using the Zentralblatt Math database. In that time, NA increases from 6 in just two areas: (1) computing for statistics, and (2) computing for time-dependent partial differential equations. American (USA) authors publish half the articles about (1) computing for stat, followed by Chinese (PRC) authors and then European (EU) authors. The order reverses for (2) computing for t-d PDEs, where China and Europe each publish a quarter of the articles followed by America with an eighth. Finally, the leading journals for each topic are J. Stat. Plann. Inference and J. Comput. Phys., respectively.

The published survey is here: <http://dx.doi.org/10.1080/03610918.2015.1056356>