

STANFORD UNIVERSITY
DEPARTMENT OF STATISTICS
DEPARTMENTAL SEMINAR

4:15 p.m., Tuesday, December 4th, 2007
Sequoia Hall Room 200
(Cookies at 3:45 in 1st Floor Lounge)

Kingshuk Roy Choudhury
Statistics Department
University College Cork, Ireland

Variability of strain estimation

The study of rock deformation is an important aspect of structural geology. Strain analysis is a key tool used for studying rock deformation. This talk looks at a statistical formulation for the problem of strain estimation. This formulation is used to isolate identifiable features of the deformation. We then look at a particular estimate for these parameters and the asymptotic distribution of this estimate. We look at the implications of these results and how these results can be applied in practice.