

Session 2C: Paper no. 79, by M. D. Trifunac.

Discussion by: H. H. Ambraseys

Professor Trifunac, I am sure you will agree that in the near-field of a strong earthquake incompetent sedimentary deposits may yield internally or develop near-surface failures.

Assuming that one uses strong-motion recordings from such deposits, to what extent do you think internal yielding will affect the assessment of the source parameters, particularly the average dislocation?

Do you think that this may account for the difference between calculated dislocation from teleseismic data and observed displacements at Parkfield.