

Geophysical Research Abstracts,
Vol. 10, EGU2008-A-02295, 2008
SRef-ID: 1607-7962/gra/EGU2008-A-02295
EGU General Assembly 2008
© Author(s) 2008



Variability and entropy in electroseismic time series

L. Guzmán-Vargas (1,2), A. Ramírez-Rojas (1) and F. Angulo-Brown (3)

(1) Departamento de Ciencias Básicas, Universidad Autónoma Metropolitana, Av. San Pablo 180, Col. Reynosa, 02200, Azcapotzalco, México D. F., (2) Unidad Profesional Interdisciplinaria en Ingeniería y Tecnologías Avanzadas, Av. IPN 2580, 07340, México D. F., (3) Departamento de Física, Escuela Superior de Física y Matemáticas, IPN, U. P. Zacatenco, 07340, México D. F.

In this work we use the Sample Entropy (SampEn) method to analyse the variability of geo-electric time series monitored in two sites located in México. In our analysis we consider a period of time from January 1995 to December 1995. We systematically calculate the SampEn for different time averaged windows. We find that a complex behaviour is observed, across different time scales, in the vicinity of a M=7.4 EQ occurred at Sept. 14, 1995.