Geophysical Research Abstracts, Vol. 10, EGU2008-A-05804, 2008 SRef-ID: 1607-7962/gra/EGU2008-A-05804 EGU General Assembly 2008 © Author(s) 2008



Voronoi tesselation in earthquakes

A. Jimenez (1,2), K. F. Tiampo (1) and A, M. Posadas (3)
(1) University of Western Ontario (ajimene@uwo.ca), (2) Fundacion Ramon Areces, (3)
Universidad de Almeria

We compare the structure of the eartquake distribution in the world to that of a foam by means of a Voronoi tesselation. We find that the scaling values are consistent with the asperities models and the fault structure. The Voronoi tesselation represents the blackbone of the seismic network.