



Structure of fault network and precursory seismicity patterns

Vladimir I. Keilis-Borok (1,2), Alexandre A. Soloviev (1), Andrei M. Gabrielov (3)

(1) International Institute of Earthquake Prediction Theory and Mathematical Geophysics, Russian Academy of Sciences, Moscow, RUSSIAN FEDERATION; (2) Institute of Geophysics and Planetary Physics, University of California, Los Angeles, U.S.A (E-mail: vkb@ess.ucla.edu / Fax-Nr. +1-310- 206 3051); (3) Dept Mathematics, Purdue Univ., West Lafayette IN, U.S.A.

We discuss dependence of precursory seismicity patterns on structure of fault network, deep seated driving forces, and fluids regime. Potential implications for earthquakes nucleation are suggested.