

Time dependent display program for seismic activity

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We developed a computer program to display the seismic activity with exactly proportional to time intervals of seismic occurrence. The program may be demonstrated at a place of the poster session.

The feature of this program is as follows,

1. A user can set up the any parameter related to display condition, and replay soon.
2. This program plots each epicenter as a circle on a map. The circles have a radius with magnitude and color with depth. The radius and color change with elapsed time since occurrence of earthquake. Furthermore, this program can ring the sound when new earthquake is occurred.
3. This program uses the GMT (Generic Mapping Tools) to generate the background map, and a user can modify the script. Therefore this program can generate a various background map.
4. This program has graphical user interface, therefore it has easy to operate.
5. This program is written by C language and compiled on Linux platform. It needs some libraries and programs (GTK+, SDL, netpbm and GMT, if the OS is Linux Fedora Core 5).

