

RESEARCH ON THE ALPHA TRACK ETCH METHOD AND ITS APPLICATION TO EARTHQUAKE PREDICTION

Ni Mingkang, Long Min, Lin Sicheng and Li Tongqi
(*Seismological Institute of Lanzhou, State Seismological Bureau*)

Abstract

Based on a large number of tests, some questions about alpha track etch method in including the chemical etch of track, the judging of track, the counting of track, the source of error, etc. were discussed in this paper. In order to apply the method to earthquake prediction, some relevant stipulations were established. Correspondence between the method and the Longxi earthquake ($M=3.6$) was also discussed.

地震预报实用绘图程序软件系统的研制与应用

为了配合地震预报攻关工作，为适应今后地震预报程序化发展的要求，我们研制了一套在IBM—PC系列微形计算机上使用的实用性绘图程序软件系统(DPFE)。该系统可以在IBM—PC机及支持DOS 2.0以上版本的各种兼容机上通用。绘图仪使用SR—6602智能化个人绘图仪(串、并行口均可以)。

该系统的源程序用BASIC语言编制，执行程序用BASIC编译程序，运行速度将显著提高。该系统最大限度地开发SR—6602绘图仪的各种功能，包括：写部分汉字(串行口)；写字符串，包括所有可输入字符；可以送回状态信息(串行口)；绘曲线、图形；可使用六色彩笔。

(国家地震局兰州地震研究所 刘耀伟 王长岭)