

DISTRIBUTION OF APPARENT STRESS IN WESTERN CHINA

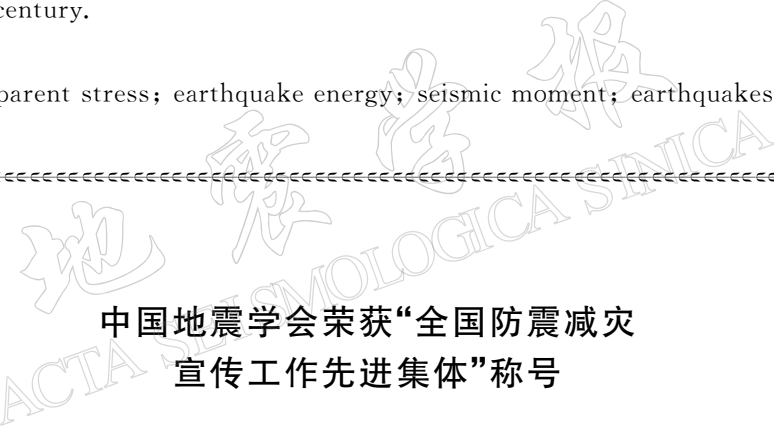
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**Abstract:** Distribution of apparent stress in Chinese mainland and its surrounding regions was presented using the NEIC broadband radiated energy catalogue and the Harvard CMT catalogue from January 1987 to December 1998. Due to the limitation on the number of samples, reliable results are only for the western China. It is observed that the average apparent stress in Chinese mainland is 0.8 MPa; The maximum apparent stress to the east of the Tibetan plateau is 2.6 MPa; And the average apparent stress in the north-south seismic belt is more than one time higher than its adjacent regions. Distribution pattern of apparent stress seems to have a large-scale correlation with the cumulative energy release level in the 20th century.

**Key words:** apparent stress; earthquake energy; seismic moment; earthquakes in China

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中国地震学会荣获“全国防震减灾  
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2002 年 3 月 21 日，中国地震学会在全国防震减灾宣传工作会议上被中共中央宣传部、中国地震局授予“全国防震减灾宣传工作先进集体”光荣称号。

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