



Spectral Analysis of Earthquake Occurrence

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Earthquake occurrence seems not to pertain any periodicity in any spatial scale, either local or worldwide. But we found relatively larger peaks around one year period and Chandler period in the white noise like spectrum of the worldwide earthquake occurrence data, which has been supported by USGS. Also there are other features found in the spectrum, such as splitting of the two peaks and existence of a few harmonics of the two peaks. Both Fourier transform and maximum entropy method are used.