

The Earthquakes

Abstract

Earthquakes which were earlier believed to be divine anger have now better understanding due to developments in modern science. In general terms, shaking of the Earth surface due to slip or rupture in the fault zone is termed an earthquake. The energy released by the earthquake is in the form of seismic energy. Seismic energy generates two kinds of waves which are body waves and surface waves. Body waves travel faster than surface waves whereas surface waves are more disruptive than body waves. The arrival and amplitude of those waves is measured by a Seismograph. To analyse the data recorded by seismograph softwares like SAC, GMT, TauP are being used. In this talk we'll discuss briefly on these topics.