

Tipe Koleksi: Indeks Artikel Jurnal

Struktur bumi di bawah pantai barat Kanada antara hiposenter gempa C022801L dan stasiun observasi cola

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Abstrak

The seismogram data of earthquake C022801L have been analyzed by seismogram comparison at station COLA (Canada) to investigate the earth structure beneath the canadian west coast. The comparison is conducted in time do main and in three components simultaneously. The synthetic seismogram is calculated by GEMINI. The input is initially the earth model IASPE191, PREMAN and the CMT solution of quake to calculate the synthetic. The seismogram comparison shows a real deviation of the waveform of some phase waves. The research is conducted to correct the discrepancies found at P, S, Love, Rayleigh, and Scs waves at the station COLA. Seismogram fitting obtained at waveform of various wave phases. The good fitting is obtained on oscillation amount especially of Love wave. The earth structure obtained indicates anisotropy beneath the Canadian west coast in the upper mantle and also layers down to the CMB depth.