

Title (en)
METHOD FOR ENHANCING SEISMIC DATA

Title (de)
VERFAHREN ZUR VERBESSERUNG VON SEISMISCHEN DATEN

Title (fr)
PROCEDE PERMETTANT D'AMELIORER LES DONNEES SISMQUES

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Application
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Abstract (en)
[origin: WO9941623A1] A method for enhancing seismic data traces (10) so that subtle geologic features are easier to identify and interpret. In a first embodiment, the method comprises enhancing the amplitudes of at least the peaks (12a-12d) and troughs (14a-14d) in the seismic data traces (10). This enhancement can be accomplished in a variety of ways. In a second embodiment, the negative second difference (18) is calculated at each sample point along the seismic data trace (16) to enhance bends or kinks in the data, as well as peaks and troughs. The method may be used to enhance any type of seismic data trace, included but not limited to minimum-phase seismic data traces, zero-phase seismic data traces, quadrature traces, and zero-phase quadrature traces.

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