

METHOD AND SYSTEM FOR ANALYZING SEISMIC ACTIVE FIELD BASED ON EXPANSION OF EMPIRICAL ORTHOGONAL FUNCTION

ABSTRACT OF THE DISCLOSURE

A method and system for analyzing a seismically active field based on expansion of an empirical orthogonal function is provided. The research region of the seismic active field is gridded at equal intervals for the preset research region of a seismic active field; a seismic active field function matrix correlated with the research region of the seismic active field spatially and temporally is constructed according to the gridding of the research region of the seismic active field; and the seismic active field function matrix is expanded with an empirical orthogonal function to obtain a main typical field and a temporal factor thereof, and an anomaly on the temporal factor of the seismic active field is analyzed with a method index, a parameter index and an anomaly index.

[Fig. 1]