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**MODELING OF SEISMOACOUSTIC WAVE FIELDS IN MASSIVE OF ROCKS AND
COAL FORMED BY GEODYNAMIC ACTIVE ZONES**

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The summary. Modeling the seismoacoustic wave fields formed by geodynamic processes, caused man by influence on a massive of rocks is executed at improvement of coal layers. The analysis of structure and properties of wave fields, and also their informative parameters which can be used at the decision of tasks of forecasting geo- and gas-dynamic the phenomena is carried out.

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**RESEARCH OF ACOUSTIC-EMISSIVE PROCESSES MASSIVE OF ROCKS AND COAL E
AT IMPROVEMENT EXTRACTION PILLAR**

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The summary. During researches are carried out selective processing of the initial seismoacoustic information accompanying improvement extraction pillar and with the help of the automated monitoring system of acoustic-issue processes. Division of wave packages into a nature of their origin (a pulse of acoustic emissive, explosions, chisel works, sudden emission etc.) and the analysis amplitude-frequency and power characteristics is executed.