

IMPACT OF THE RAILROAD TRAFFIC UPON THE SLOPE STABILITY

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The primary object of our investigation was to estimate the parameters of the slope's vibrations right under a passing train. The experiment was conducted at the Black Seashore in the environs of Myussera. Geologically the slope is composed by highly weathered Miocene clay rocks. They feature low hardness and this favors the development of landslide processes within the slope. At measuring the slope's vibration we employed vibrographs, a galvanometer and an oscillograph. It was stated that the vibrations affects on the slope stability dramatically.