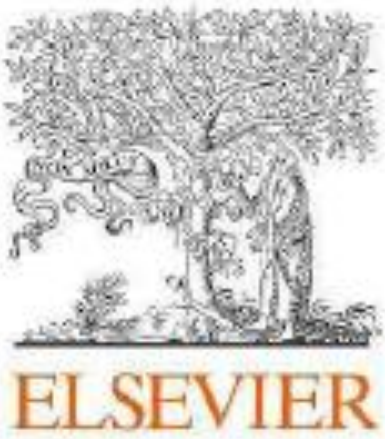

ELSEVIER

PRINCETON UNIVERSITY

American Journal of Science and Technologies

No.2. (20), July,2018

VOLUME II

"Princeton University Press"

2018

American Journal of Science and Technologies, 2018, № 2. (20), (July). Volume II. "Princeton University Press", 2018. - 835p.

Proceedings of the Journal are located in the Databases Scopus.

Source Normalized Impact per Paper (SNIP): 5.368
SCImago Journal Rank (SJR): 5.483

ISSN: 0002-959X

Mathematics, Technology & Engineering

Kurbanov J.F.,
Tashkent Institute of Railway Transport Engineering
Senior Research Fellow - Competitor of the Department
"Electrical connection and radio"

The spectral characteristics of the new functional materials based on a single device spatial field

Abstract: This article is devoted to the theory of a single spatial field, the objective existence of which is established on the basis of the interaction of electrical, magnetic and gravitational forces has been developed multifunction installation of a single spatial field.

Keywords: devices, magnetic fields, electric fields, gravitational fields.

The aim of this work is the analysis of the experimental data on the basis of a single device of the spatial field (SDSF), and identifying opportunities for its use for new functional materials [1].

Dispersion of solids (dry milling) into a special branch of science of technology. It deals with the mechanical strength required for the destruction of the structure and the structure of solids, as well as research and design of crushers, mills and similar facilities for rational grinding [2].

Results grinding evaluate changes grading curve, an increase in the specific surface of the material.

The quality of these units is evaluated by comparing required to create new surface energy and operating costs. Resulting in the production of artificial stone, the quality of the structure of materials require optimal fineness.

Dispersion solids - of grinding to small particles is carried out to enhance the rate of heterogeneous processes. In the process of dispersing discernible two main stages: the destruction of the particles by an external force and aggregation of particles such as spontaneous or caused by external compressive and tensile forces [3].

Along with dispersing and aggregation during milling changes the crystal structure and energy state of the surface layers of particles. Their study presents grinding.