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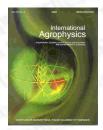
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Analysis of correlations between the influence of electrostatic field and of pressure on the dielectric permitivity of grain

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abstract The paper presents description of a test stand to relations between electric permitivity of grain on pressure and intensity of electrostatic field. On the basis of measurements, it has been found that electric permitivity of grain decreases under the influence of pressure and increases as the electrostatic field intensity rises. Moreover, the test results allow for the conclusion that striction forces occurring in grain under the influence of electrostatic field, are tensile forces.

keywords energy savings, heterogeneous dielectrics, grain, striction forces, electric permitivity

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