

INVESTIGATION OF THE INFLUENCE
OF EXTERNAL ELECTRIC FIELD
ON THE ELECTRON DENSITY
OF SEMI-BOUNDED METAL

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S u m m a r y

The influence of an external uniform electric field on the electron subsystem of a semi-bounded metal in the “jellium” model is investigated. It is discovered that the applied field results in a change of the effective interelectron interaction even in the direction normal to the field. The influence of the intensity of the external electric field on the electron density of a semi-bounded metal is studied.