

NONEQUILIBRIUM CHARGE CARRIERS
IN THERMAL PLASMA — METAL CONTACT

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S u m m a r y

The space charge layer on the thermal plasma—metal interface is studied. It is shown that the presence of a volumetric charge gives the formation of nonequilibrium charge carriers. The presence of nonequilibrium charge carriers affects the potential of a dust grain a little if the grain is positive. However, for negative dust grains, the account of nonequilibrium carriers gives the diminution of a potential barrier on the interface by three times.