

ASYMPTOTICS OF PSEUDOPOTENTIAL
AND PERTURBATION THEORY FOR
ELECTRORESISTANCE OF SIMPLE
DISORDERED METALS

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S u m m a r y

The third-order contribution in electron-ion pseudopotential to electroresistance of 25 simple disordered metals is numerically found. The series of perturbation theory for electroresistance is constructed by the kinetic equation method. Numerical calculations are carried out for two local model pseudopotentials with different short-wave asymptotics, which practically coincide in the region of small and intermediate values of the wave vector, namely: the modified Ashcroft pseudopotential and Krasko - Gurskii one. The magnitude of the third-order correction appears to be very sensitive to the model pseudopotentials used. A criterion for selection of model pseudopotentials is established.