

Conductivity in disordered structures: Verification of the generalized Jonscher's law on experimental data

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Abstract

The generalized Jonscher's law for complex conductivity (derived earlier) is tested on available experimental data. We suggest some criteria which are used for verification of the analytical expression describing the data related to complex conductivity. It is shown that the generalized Jonscher's law is suitable for description of the electrode polarization phenomenon.

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