

**THE WAVES HYPERCOMPLEX IMPEDANCE IN CASE OF
PENETRATION OF A PERIODICAL NON-HARMONIC FIELD
INTO A CONDUCTING INFINITE HALF-SPACE**

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Abstract. The “cartesian” and “polar” expressions of the hypercomplex impedance in case of penetration of a periodical non-harmonic electromagnetic field into a conducting infinite half-space are determined.

Key words: hypercomplex impedance; penetration of periodical non-harmonic electromagnetic field; conducting infinite half-space.