

DOI: <https://doi.org/10.15407/techned2016.03.003>

## FEATURES OF AN ASYMPTOTIC SERIES EXPANSION METHOD FOR DETERMINE OF ELECTROMAGNETIC FIELD OF PULSE CURRENT FLOWING NEAR CONDUCTIVE BODY

Journal	Tekhnichna elektrodynamika
Publisher	Institute of Electrodynamics National Academy of Science of Ukraine
ISSN	1607-7970 (print), 2218-1903 (online)
Issue	№ 3, 2016 (May/June)
Pages	3 – 5

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### Abstract

*An analysis of accuracy of asymptotic method for three-dimensional pulse electromagnetic field created by arbitrary current contour, which is located near the flat surface of a conductive body are made. Values of time intervals by which separate terms of series limited are received. Comparison with exact values has shown possibility considerably to simplify calculation at the initial stage of pulse process. References 3, figures 3.*

**Key words:** pulse electromagnetic field, eddy current, arbitrary current contour, asymptotic method.

Received: 05.02.2016

Accepted: 01.04.2016

Published: 25.04.2016

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