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About the possibility of plane electromagnetic soundings by using the method of transient processes within the ungrounded circuit

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SUMMARY

We consider nonstationary vertical magnetic field at an arbitrary point inside the ungrounded circuit, located above a thin conducting layer. Based on this model received differential and integral norming functions, that allow to transform transitional process into effective longitudinal conductivity of geoelectric cross-section. By means of investigation of transforms, obtained for a homogeneous half-space, shown the principal possibility to utilize the electromagnetic soundings by using the method of transient processes in the central tablet inside perturbing circuit, without a significant distorting effect of setting's geometry.

Про можливість площинних електромагнітних зондувань методом перехідних процесів всередині незаземленого контуру

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О возможности площадных электромагнитных зондирований методом переходных процессов внутри незаземленного контура

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