

# FINITE DIFFERENCE SCHEME FOR ONE NONLINEAR PARTIAL INTEGRO-DIFFERENTIAL EQUATION

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The talk concerns the investigation of finite difference scheme for one nonlinear partial integro-differential equation. The above-mentioned equation is derived from Maxwell equations describing the process of propagation of the electromagnetic field into a substance. A wider class of nonlinearity is studied than the one that has been investigated before.

**Acknowledgment.** This work was supported by Shota Rustaveli National Science Foundation and France National Center for Scientific Research (grant # CNRS/SRNSF 2013, 04/26).