

SPATIAL DISTRIBUTION OF THE MAGNETIC FIELD
GENERATED BY THE APPLICATOR OF THE NEW SHAPE
APPLIED IN THE MAGNETOTHERAPY

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ABSTRACT *The continuous progress in medicine and technology allows to create new devices which can be applied by doctors for instance in magnetotherapy. Therefore the mathematical description of magnetic field distribution can be considered as an useful tool in execution of the numerical simulations which will include 3D visualization of magnetic field in treated injuries. It would be beneficial not only for doctors but may be also helpful for patients if small-size applicators could be even used at home. The proposed model accurately reflects the real applicator.*

Keywords: *magnetotherapy, low frequency magnetic field, computer simulations*