

**DEMAGNETIZING FIELD STRENGTH OF A CUBOID STEEL COMPONENT
MAGNETIZED LONGITUDINALLY IN STABLE CONDITION**

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On the basis of the distribution law of magnetic charges of a cuboid steel component magnetized longitudinally in stable condition (magnetic charges distribute uniformly along all edges of the cuboid), the analytic expression for demagnetizing field strength of an arbitrary point in the cuboid steel, component and some typical spatial distribution curves were given. Digital calculation showed that under this condition the demagnetizing field strength of a cuboid steel component had not only negative value but also positive and zero ones.