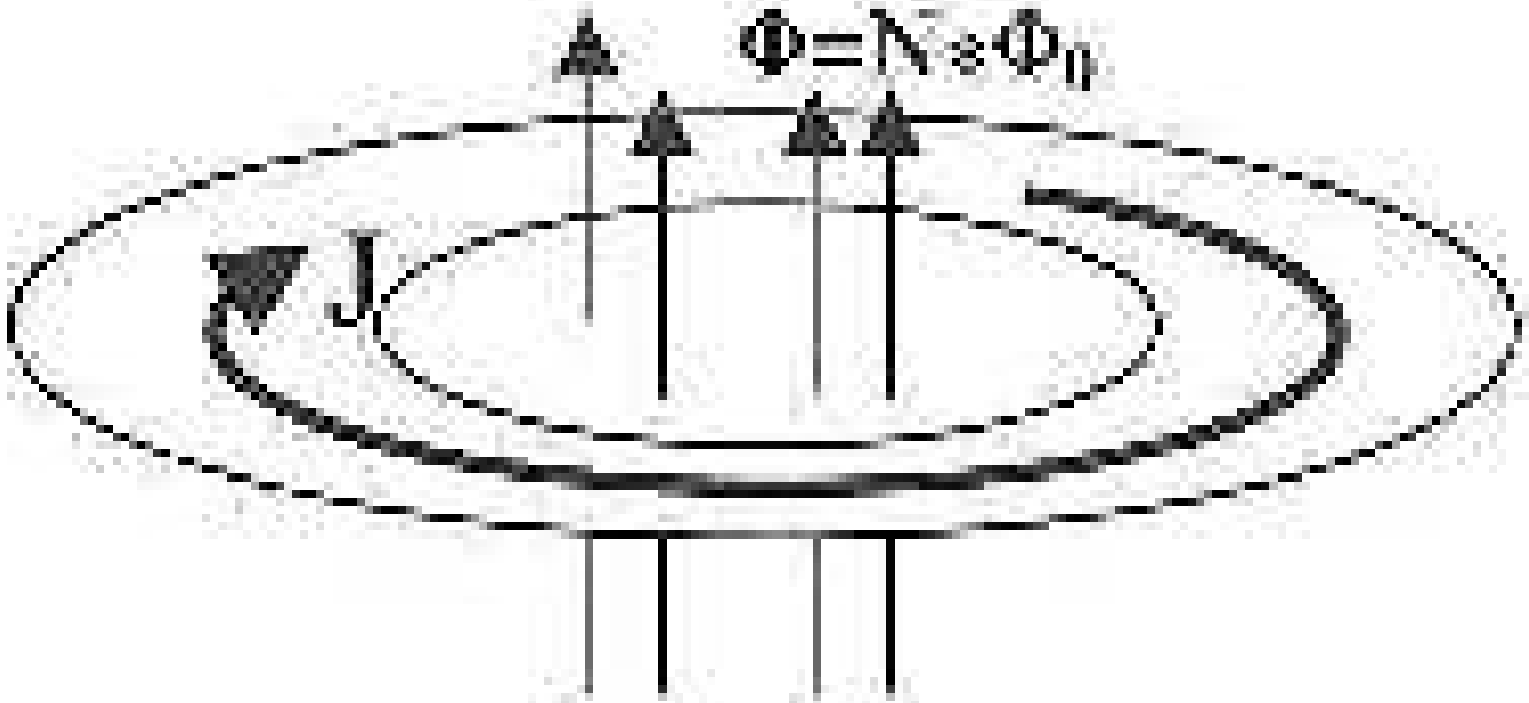
$\Phi = N \times \Phi_0$
J