Induction law
Induction law
$$i \frac{\oint_{\partial S} \boldsymbol{E} \cdot \mathrm{d}\boldsymbol{s} = -\int_{S} \frac{\partial \boldsymbol{B}}{\partial t} \cdot \mathrm{d}\boldsymbol{S}}{\text{Induction law}} \boldsymbol{B}$$

$$\boldsymbol{B}$$
Material property
$$\boldsymbol{B} = \mu_{0}\mu_{\mathrm{r}}H$$

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$$\boldsymbol{H}$$