Magnetostatics

vector notation

configuration variables
space: primal complex
time: dual complex
time odd variables

source variables
space: dual complex
time: primal complex
(time odd variables)

global formulation
SI units: weber Wb

SI units: ampere A

χ[\overset{\sim}{I}, \overset{\sim}{P}] = \chi[\partial L]

\begin{array}{c}
\nabla \cdot (1/\mu \nabla \times A) = J

\end{array}

\nabla \times (1/\mu \nabla \times A) = J

\begin{array}{c}
\nabla \times H = J

\end{array}

\begin{array}{c}
\nabla \cdot \dot{\phi}_m = 0

\end{array}

ELE2-12; http://discretephysics.dicar.units.it