

$$\nabla \cdot (\mu \vec{H}) = 0$$

$$\nabla \times \vec{H} = j\omega \epsilon \vec{E} + \vec{j}$$

$$\nabla \times \left(\frac{1}{\mu} \nabla \times \vec{E} + j\omega \sigma \vec{E} - \omega^2 \epsilon \vec{E} \right) = -j\omega \vec{j}$$

$$\nabla \times \vec{E} = -j\omega \mu \vec{H}$$

$$\dot{X}(t) = f(X(t), u(t))$$

$$\nabla \cdot (\epsilon \vec{E}) = \rho$$

$$\Delta t_k = \frac{-\dot{X}_k}{\ddot{X}_k}$$

$$X(t) = \frac{\partial f}{\partial x} X + \frac{\partial f}{\partial u} u$$

Certificate of Compliance

This is to certify that:

Kyiv Polytechnical Institute

Is compliant with the requirements, set by Cadence Design Systems, to become
a Cadence Certified Lab for:

“Custom Design Virtuoso Technology – Front End and Back End”

This Certificate is valid

UNTIL: 30/01/2023

Anton Klotz

University Program Manager EMEA

Cadence Academic Network