

Oral Exam

Physics, 4th year

Electrodynamics (Phys. 406)

July 21, 2020

1-Discuss the physical meaning of Maxwell's equations.

2-Apply the following, conservation of energy, equation to a system of your choice :

$$\nabla \cdot \mathbf{S} + \partial u / \partial t = -\mathbf{J} \cdot \mathbf{E}$$