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Introduction: The increase in the development of novel nanoparticle drug delivery systems makes the choice between micro- and nanoscale drug delivery systems ubiquitous.

(PDF) The physics of macro-, micro- and nanomaterials

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262 3. PLASMAS: PHYSICS AND CHEMISTRY sufficient time to recombine or diffuse away from the field region, they are immediately available to initiate current flow in the following half-cycle. Obviously higher the frequency, the more marked is effect due to shorter time available for loss of electrons.

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EMERGENT PHYSICS AND MICRO-ONTOLOGY 143 entiate emergent phenomena from straightforward aggregates. As we shall see below, the ontological and epistemic issues surrounding emergence are deeply intertwined, making it all the more important that these various relations are made more explicit.

Emergent Physics and Micro-Ontology* - JSTOR

In general, physicists working in the macro-world are capable of developing their theories without paying much attention to the rules that operate in the micro-world; likewise, those working in micro-physics can ignore the rules that operate in the macro-world, which accounts for the enormous success of quantum mechanics.

Prof Zeki's Musings: The macro- and micro- worlds in

Physics of the microwave oven in phase, hence the microwaves are perfectly reflected. Macroscopically, this behaviour is described by the complex dielectric constant $\hat{\mu}(\omega)$, which is the square of the complex refractive index ($\hat{\mu} = n^2 + i\kappa^2$). The refractive index of many metals gives reflectivities close to 100% at low frequencies.

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The Physics of Lightning V. A. Rakov Received: 19 October 2012/Accepted: 26 March 2013/Published online: 16 April 2013 Springer Science+Business Media Dordrecht 2013 Abstract An overview of the physics of cloud-to-ground lightning is given, including its initiation, propagation, and attachment to ground. Discharges artificially initiated (trig-

The Physics of Lightning - TAU

This is the first of two articles about the physics of microwave ovens. This article deals with the generation of microwaves in the oven and includes the operation of the magnetrons, waveguides and standing waves in resonant cavities.

Physics of the microwave oven - IOPscience

The chapter discusses Foucault's account of power and introduces some of its most influential feminist appropriations. It explicates the key aspects of Foucault's conception of productive power "disciplinary power, biopower, governmentality, and resistance" and examines the ways they have been taken up and disputed by feminist scholars.

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