

Electromagnetic Behaviour Of Metallic Wire Structures

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Despite the recent development and interest in the photonics of metallic wire structures, the relatively simple concepts and physics often remain obscured or poorly explained to those who do not specialize in the field. Electromagnetic Behaviour of Metallic Wire Structures provides a clear and coherent guide to understanding these phenomena without excessive numerical calculations. Including both background material and detailed derivations of the various different formulae applied, Electromagnetic Behaviour of Metallic Wire Structures describes how to extend basic circuit theory relating to voltages, currents, and resistances of metallic wire networks to include situations where the currents are no longer spatially uniform along the wire. This lays a foundation for a deeper understanding of the many new phenomena observed in meta-electromagnetic materials. Examples of applications are included to support this new approach making Electromagnetic Behaviour of Metallic Wire Structures a comprehensive and self-contained volume suitable for use by specialists, non-specialist, researchers and professionals in other relevant fields and even students. EAN/ISBN : 9781447141594 Publisher(s): Springer, Berlin, Springer, London Discussed keywords: Draht, Elektromagnetismus Format: ePub/PDF Author(s): Chui, S. T. - Zhou, Lei

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