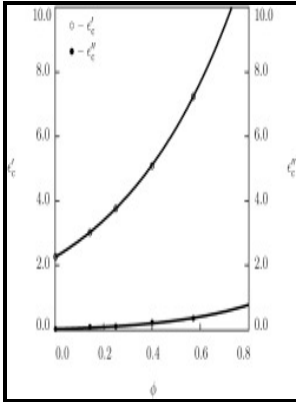


Electromagnetic modeling of composite metallic and dielectric structures

Artech House - Modeling of electromagnetic radiation



Description: -

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Electromagnetic modeling of composite metallic and dielectric structures

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Also, it is effective only at higher frequencies, which frequently conflicts with structural and aerodynamics requirements in designing the aerospace vehicles.

Characterization of electromagnetic properties of polymeric composite materials with free space method

Fifteen concrete cube samples $150 \times 150 \times 150$ mm size were casted for each mix. But, in this case, reduction is achieved only in a limited angular region at the expense of increase RCS in other regions.

Characterization of electromagnetic properties of polymeric composite materials with free space method

A radome health management system, composed of an on-board subsystem and a ground subsystem, was developed to realize the strategy. By using the Infona portal the user accepts automatic saving and using this information for portal operation purposes. The fibre placement in the preform significantly affected the dielectric and microwave absorption properties of the composites.

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The authors would like to thank to their financial support. For the first time, comparisons and unique combinations of techniques bring the elements of flexibility, ease of implementation, accuracy, and efficiency into clear view. In this study, RASs were developed that contained an AFRP with MWCNT-anchored para-aramid fibers to improve the performance uniformity.

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