

Asymptotic And Absorbing Boundary Conditions For Finite Element Analysis Of Digital Circuit And Scattering Problems

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Asymptotic And Absorbing Boundary Conditions

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The Acoustics Module User's Guide

To solve these equations, we need a set of boundary conditions, as well as material constitutive relations that relate the \mathbf{E} to the \mathbf{D} field, the \mathbf{J} to the \mathbf{E} field, and the \mathbf{B} to the \mathbf{H} field. Under varying assumptions, these equations are solved, and coupled to the other physics, in the different modules within the COMSOL product suite.

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The RCS of a complex target that is large compared to a wavelength is highly dependent on the aspect angle. A small change in the aspect angle can cause the RCS to fluctuate several tens of decibels.. 10.4.2 RCS Enhancement and Reduction. In some civilian applications, such as navigation, it is desirable to enhance the radar echo of the object so that it can be easily detected or tracked.

Radar Cross Section - an overview | ScienceDirect Topics

boundary_layers [list of PML class] — Specifies the PML absorbing boundary layers to use. Defaults to none. cell_size [Vector3] — Specifies the size of the cell which is centered on the origin of the coordinate system. Any sizes of 0 imply a reduced-dimensionality calculation. Strictly speaking, the dielectric function is taken to be uniform along that dimension. A 2d calculation is ...

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