

Abstracts

High-Performance PML Algorithms

Z. Wu and J. Fang. "High-Performance PML Algorithms." 1996 Microwave and Guided Wave Letters 6.9 (Sep. 1996 [MGWL]): 335-337.

This letter presents a revised finite-difference equation, applied at perfectly matched layer (PML) interfaces, that can lead to substantial reduction of numerical reflection from PML absorbers. The properties of the reflection coefficient of PML absorbers implemented with the revised finite-difference equation are studied. The effectiveness of the revised finite-difference equation is verified by numerical tests.

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