

# Abstracts

## Arbitrarily oriented perfectly matched layer in the frequency domain

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Xiaoming Xu and R. Sloan. "Arbitrarily oriented perfectly matched layer in the frequency domain." 1998 MTT-S International Microwave Symposium Digest 98.2 (1998 Vol. II [MWSYM]): 929-932.

An arbitrarily oriented PML is introduced by using complex space mapping, for more flexible meshing of microwave engineering problems. The PML can be oriented in any direction. The discussion is extended to two-direction PMLs for matching the interface between one-direction PMLs, and three-direction PMLs for two-direction ones. Numerical result is presented.

[Return to main document.](#)