Abstracts

Mix-RWG current basis function and its simple implementation in MoM

In this paper we extended the RWG basis function to triangular-quadrilateral (Mix-RWG) current basis function. Simple implementation of Mix-RWG based MoM code is done by using hybrid mesh linked list data structure. Compared to RWG basis function, Mix-RWG basis function has many advantages. Numerical experiments are given to demonstrate the new basis function's simplicity and its advantages.

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