

Subject: [ACES] Editor Decision

From: Sami Barmada via River Publishers <noreply@journals.riverpublishers.com>

Date: 12-Sep-25, 9:05

To: Nikola Basta <nbasta@etf.rs>, Branko Kolundžija <kol@etf.rs>

Dear Dr Nikola Basta, Branko Kolundžija:

We have reached a decision regarding your submission to Applied Computational Electromagnetics Society Journal (ACES), "Application of Ground-Clump Method to Verification of Half-Space Dyadic Green's Matrices".

Our decision is to: Accept Submission subject to any required editorial corrections

We will be in touch shortly with details of your publication fees, and any other information we may need before we start the preparation of your paper proof.

Authors are encouraged to check ACES Journal publications, which are freely available on ACES archival site at

[Archives | The Applied Computational Electromagnetics Society Journal \(ACES\) \(riverpublishers.com\)](https://journals.riverpublishers.com/)

and then reference in their revised paper the appropriate related published ACES Journal articles.

Reviewer A:

Recommendation: Accept Submission

Please provide details on where this submission falls short of the ideal (*Automatically required if the total score for the questions above is less than 20*)

VERY MINOR:

Conclusions: superscript in the formula missing: 10⁻² to 10⁻⁵.

"em" - in the paragraph under formula (1) -> using the apostrophe instead of the quote marks.

Please provide details on what the strengths, unique qualities of this paper are (*Automatically required if the total score for the questions above is greater than 20*)

This is an excellent paper demonstrating how conventional EM solvers can be used for verification of half-space dyadic Green's functions instead of the conventional comparison to Sommerfeld integrals. This is important for several reasons, starting

from not having access to Sommerfeld integrals codes to the necessity to have an additional fast/easy verification methodology.

This paper focuses on the practical application of EM solvers, which most readers of ACES have access to for ongoing research work in the area of computational electromagnetics. In the reviewer's opinion, this is a rare kind of article focusing on verification. The paper is clearly written and has enough details to reproduce (at least qualitatively) most of the results.

Please provide any specific and detailed comments for the authors to consider:

In this publication, the authors focus on the half-space, and plan to work on the multilayered case in the upcoming publications -> the reviewer will be waiting for this work. One thing to consider might be the application of the framework for the limit case of PEC/PMC plane for which there is an analytic comparison (image method), and demonstrating the approach's validity. (Alternatively, the reviewer would be thankful if the authors mention in the paper an existing reference which covers this aspect at the same level of detail as this publication). This comment is not necessary to be addressed for the publication to be published in ACES.

Reviewer E:

Recommendation: Accept Submission

Please provide details on where this submission falls short of the ideal (*Automatically required if the total score for the questions above is less than 20*)

The paper deals with numerical verification of radiated electromagnetic fields of elementary dipole/current sources in various orientations above a homogeneous half space. A rigorous Sommerfeld integral implementation (Dyadic Green's Function) approach is compared to a numerical solution with truncated (i.e. finite size) ground sufficiently large (and modelling the truncated dielectric/air interface only with special tapering to reduce the edge effects).

While this paper is important and discusses a relevant topic and should be published, still rating with a 3 for "advance state of the art" as this is more on the validation / verification side, not presenting novel formulations as such.

Please provide details on what the strengths, unique qualities of this paper are (*Automatically required if the total score for the questions above is greater than 20*)

Please provide any specific and detailed comments for the authors to consider:

[Applied Computational Electromagnetics Society Journal \(ACES\)](#)