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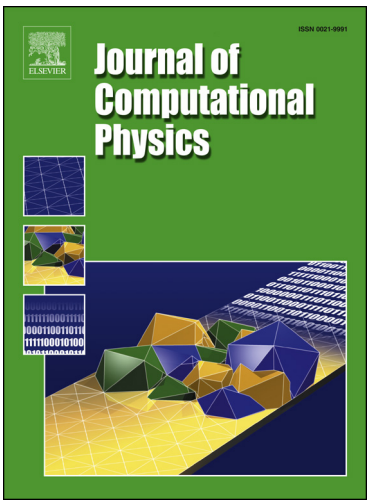

High-order transmission conditions in a domain decomposition method for the time-harmonic Maxwell's equations in inhomogeneous media

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Highlights

- New well posed and numerically cheap high order transmission conditions for inhomogeneous media.
- Large full matrices arising from the exact radiation condition are compressed via ACA.
- Parallelized numerical code.
- Very accurate numerical results obtained on electrically large objects involving up to 160 million unknowns with a reasonable numerical complexity.