

## IVAN GRAHAM - LIST OF PUBLICATIONS

**The following list of publications is in reverse chronological order.** Most papers which are dated after 2004 are also available in electronic form at <http://people.bath.ac.uk/masigg/publications>

### References

- [1] Z. Wu, I.G. Graham, D. Ma, Z. Zhang, A Filon-Clenshaw-Curtis-Smolyak rule for multi-dimensional oscillatory integrals with application to a UQ problem for the Helmholtz equation, submitted 25 August 2022 <https://arxiv.org/abs/2208.10078>
- [2] N. Bootland, V. Dolean, I. G. Graham, C. Ma and R. Scheichl, Overlapping Schwarz methods with GenEO coarse spaces for indefinite and non-self-adjoint problems, to appear in IMA J. Numer Anal, <https://arxiv.org/abs/2110.13537>
- [3] S. Gong, I. G. Graham and E.A. Spence, Convergence of Restricted Additive Schwarz with impedance transmission conditions for discretised Helmholtz problems, to appear in Math. Comput. <https://arxiv.org/abs/2110.14495>
- [4] S. Gong, M.J. Gander, I.G. Graham, D. Lafontaine and E.A. Spence, Convergence of parallel overlapping domain decomposition methods for the Helmholtz equation, Numer. Math., 20 Sept 2022, DOI: 10.1007/s00211-022-01318-8 <https://arxiv.org/abs/2106.05218>
- [5] N. Bootland, V. Dolean, I.G. Graham, C. Ma, R. Scheichl, GenEO coarse spaces for heterogeneous indefinite elliptic problems, to appear in proceedings of 26th Domain Decomposition Conference <https://arxiv.org/abs/2103.16703>
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- [7] I.G. Graham, O.R. Pembery, E.A. Spence, Analysis of a Helmholtz preconditioning problem motivated by uncertainty quantification, Advances in Computational Mathematics (2021) 47:68 <https://doi.org/10.1007/s10444-021-09889-0>  
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<https://doi.org/10.1093/imanum/draa080>  
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