

1. AS “Eigenvalue and Parameter Approximation at Hopf Bifurcation” in *Collected Lectures on the Preservation of Stability under Discretization* eds D. Estep and S. Tavener (2002), SIAM, pp.169-184.
2. AS and Chris Poulton, “Inverse Iteration for nonlinear eigenvalue problems in electromagnetic Scattering” *IUTAM Symposium on Asymptotics, Singularities and Homogenisation in Problems of Fluid Mechanics 2002*, ed A. B. Movchan, (2003), Kluwer: Dordrecht, pp.585-594.
3. I. G. Graham, AS and E. Vainikko, “Parallel Iterative Methods for Navier-Stokes Equations and Application to Eigenvalue Computation” *Concurrency and Computation: Practice and Experience* (2003) **15** pp.1151-1168
4. M.E Peterson, R. Eisenthal, M.J. Danson, AS and R. M. Daniel, “A new, intrinsic, thermal parameter for enzymes reveals true temperature optima” (2004) *Journal of Biological Chemistry*, Vol 279, No. 20, pp. 20717-20722 (Available from <http://www.jbc.org/cgi/reprint/279/20/20717>)
5. AS and C. Poulton, “Photonic band structure calculations using nonlinear eigenvalue techniques” (2005) *Journal of Computational Physics* **204** pp.65-81
6. S. L. Mitchell, K. W. Morton and AS, “Application of Box Schemes to Reactive Flow Problems” *SIAM J Scientific Computing* (2006), **27**, pp. 1202-1225
7. J. Berns-Müller, I. G. Graham and AS, “Inexact Inverse Iteration for Symmetric Matrices” (to appear in *Linear Algebra and its Applications*) (See also math0503 at <http://www.maths.bath.ac.uk/MATHEMATICS/preprints.html>)
8. J. Berns-Müller and AS, “Inexact Inverse Iteration with variable shift for Nonsymmetric Eigenvalue Problems” (to appear in *SIAM J Matrix Analysis*) (See also math0505 at <http://www.maths.bath.ac.uk/MATHEMATICS/preprints.html>)

Submitted Papers

1. M. Freitag and AS, “Convergence of inexact inverse iteration with application to preconditioned iterative solves” (submitted to BIT) (See math0504 at <http://www.maths.bath.ac.uk/MATHEMATICS/preprints.html>)
2. M. Freitag and AS, “A tuned preconditioner for inexact inverse iteration applied to Hermitian eigenvalue problems” (submitted to IMAJNA) (See math0506 at <http://www.maths.bath.ac.uk/MATHEMATICS/preprints.html>)
3. J. Berns-Müller and AS, “Inexact Inverse Iteration and GMRES” (submitted to ETNA) (See math0507 at <http://www.maths.bath.ac.uk/MATHEMATICS/preprints.html>)