

List of Guangning Tan's publications

- [1] G. Tan, N. S. Nedialkov, and J. D. Pryce. *Conversion methods for improving structural analysis of differential-algebraic equation systems*. August 2016. Submitted to BIT Numerical Mathematics, 23 pages.
- [2] G. Tan, N. S. Nedialkov, and J. D. Pryce. *Conversion methods, block triangularization, and structural analysis of differential-algebraic equation systems*. August 2016. Submitted to BIT Numerical Mathematics, 26 pages.
- [3] G. Tan, N. S. Nedialkov, and J. D. Pryce. *Symbolic-Numeric Methods for Improving Structural Analysis of Differential-Algebraic Equation Systems*, pages 763–773. Springer International Publishing, Cham, 2016.
- [4] G. Tan, N. S. Nedialkov, and J. D. Pryce. *Symbolic-numeric methods for improving structural analysis of differential-algebraic equation systems*. *arXiv:1505.03445 [cs.SC]*, May 2015. 84 pages, download link: <http://arxiv.org/pdf/1505.03445>.
- [5] J. D. Pryce, N. S. Nedialkov, and G. Tan. *Graph Theory, Irreducibility, and Structural Analysis of Differential-algebraic Equation Systems*. *arXiv:1411.4129*, November 2014. 24 pages, download link: <http://arxiv.org/pdf/1411.4129>.
- [6] N. S. Nedialkov, G. Tan, and J. D. Pryce. *Exploiting Fine Block Triangularization and Quasilinearity in Differential-Algebraic Equation Systems*. *arXiv:1411.4128*, November 2014. 18 pages, download link: <http://arxiv.org/pdf/1411.4128>.
- [7] N. S. Nedialkov, J. D. Pryce, and G. Tan. *Algorithm 948: DAESA—A Matlab Tool for Structural Analysis of Differential-Algebraic Equations: Software*. *ACM Trans. Math. Softw.*, 41(2):12:1–12:14, Feb 2015.

- [8] J. D. Pryce, N. S. Nedialkov, and G. Tan. *DAESA—A Matlab Tool for Structural Analysis of Differential-Algebraic Equations: Theory*. *ACM Trans. Math. Softw.*, 41(2):9:1–9:20, Feb 2015.
- [9] G. Tan, N. S. Nedialkov, and J. D. Pryce. *A Simple Method for Quasilinearity Analysis of DAEs*, pages 445–450. Springer International Publishing, Cham, 2015.
- [10] J. Pryce, N. Nedialkov, G. Tan, and R. McKenzie. *Exploiting Block Triangular form for Solving DAEs: Reducing the Number of Initial Values*, pages 367–373. Springer International Publishing, Cham, 2015.
- [11] R. McKenzie, N. Nedialkov, J. Pryce, and G. Tan. *DAESA user guide*. Technical report, Department of Computing and Software, McMaster University, Hamilton, ON, L8S 4K1, Canada, July 2013. 47 pages, DAESA is available at <http://www.cas.mcmaster.ca/~nedialk/daesa>.