

ΣΥΝΟΠΤΙΚΟ ΒΙΟΓΡΑΦΙΚΟ: Δρ. ΔΗΜΗΤΡΙΟΥ Φ. ΠΑΠΑΔΟΠΟΥΛΟΥ



Ο Δρ. Δημήτρης Παπαδόπουλος είναι κάτοχος διδακτορικού διπλώματος από το Τμήμα Επιστήμης και Τεχνολογίας Υπολογιστών του Πανεπιστημίου Πελοποννήσου στο γνωστικό αντικείμενο της Αριθμητικής Ανάλυσης. Στα ερευνητικά του ενδιαφέροντα περιλαμβάνονται η βελτιστοποίηση αλγορίθμων και η αριθμητική επίλυση Σ.Δ.Ε. Από το 2008 εργάζεται ως επιστημονικός συνεργάτης του Τ.Ε.Ι. Δυτικής Ελλάδας (πρώην Τ.Ε.Ι. Πατρών) ενώ παράλληλα έχει συμμετάσχει σε ένα πλήθος ερευνητικών προγραμμάτων (Innovative strategy for raising awareness of lifelong learning in Greece, Πολιτικές & Οικονομικές επιπτώσεις της σχολικής διαρροής σε τοπική επίπεδο ΓΓΝΓ, κ.α.). Επιπροσθέτως, τα τελευταία 7 χρόνια αποτελεί μέλος οργανωτικής επιτροπής συνεδρίων, κριτής σε διεθνή επιστημονικά περιοδικά, ενώ είναι και μέλος της Ελληνικής Εταιρίας Επιχειρησιακών Ερευνών.

A. Publications in International Scientific Journals

1. D. F. Papadopoulos and T. E. Simos, The Use of Phase Lag and Amplification Error Derivatives for the construction of a modified Runge-Kutta-Nyström method, *Abstract and Applied Analysis*, Vol. 2013, Article ID. 910624 (Impact Factor: 1.318)
2. D. F. Papadopoulos and T. E. Simos, A Modified Runge-Kutta-Nyström Method by using Phase Lag Properties for the numerical Solution of Orbital Problems, *Applied Mathematics & Information Sciences*, Vol. 7, Issue 2, 2013, pp. 433-437. (Impact Factor: 0.508)
3. D. F. Papadopoulos and T. E. Simos, A New Methodology for the Construction of Optimized Runge-Kutta-Nyström Methods, *International Journal of Modern Physics C*, Vol. 22, Issue 6, 2011, pp. 623-634. (Impact Factor: 0.529)
4. D. F. Papadopoulos, Z. A. Anastassi and T. E. Simos, An optimized Runge-Kutta-Nyström method for the numerical solution of the Schrödinger equation and related problems, *MATCH*, Vol. 64, Issue 2, 2010, pp. 551-566. (Impact Factor: 3.291)
5. D. F. Papadopoulos, Z. A. Anastassi and T. E. Simos, A modified phase-fitted and amplification-fitted Runge-Kutta-Nyström method for the numerical solution of the radial Schrödinger equation, *Journal of Molecular Modeling*, Vol. 16, Issue 8, Aug. 2010, pp. 1339-1346. (Impact Factor: 0.744)
6. D.F. Papadopoulos, Z.A. Anastassi, T.E. Simos, A Phase-fitted Runge-Kutta-Nyström method for the numerical solution of initial value problems with oscillating solutions, *Computer Physics Communications*, Vol. 180, Issue 10, Oct 2009, pp. 1839-1846. (Impact Factor: 3.268)

B. Publications in International Conferences

1. D.F. Papadopoulos and T.E. Simos, An embedded phase-fitted and amplification-fitted RKN method for the numerical integration of oscillatory problems, AIP Conf. Proc., International Conference on Numerical Analysis and Applied Mathematics 2015, Vol. 1702 (1).
2. D.F. Papadopoulos and T.E. Simos, An embedded RKN method for the numerical integration of oscillatory problems, AIP Conf. Proc., International Conference on Numerical Analysis and Applied Mathematics 2015, Vol. 1648 (1).
3. A.N. Kanavos, D.F. Papadopoulos and T.E. Simos, A modified Runge-Kutta method with increased phase-lag and amplification error properties for the numerical solution of orbital problems, AIP Conf. Proc., International Conference of Computational Methods in Sciences and Engineering 2014, pp. 850-854.
4. D.F. Papadopoulos and T.E. Simos, A Runge-Kutta method by using phase-lag and amplification error properties for the numerical solution of orbital problems, AIP Conf. Proc., International Conference on Numerical Analysis and Applied Mathematics 2013, pp. 1186-1189.
5. D.F. Papadopoulos, O.T. Kosmas, T.E. Simos, G. Psihoyios, Ch. Tsitouras, Z. Anastassi, Deriving Numerical Techniques with Zero Phase-lag and Derivatives for Initial Value Problems of Second Order, AIP Conf. Proc., International Conference on Numerical Analysis and Applied Mathematics 2012, pp. 1407-1410.
6. D.F. Papadopoulos and T.E. Simos, A Runge-Kutta method with zero phase-lag and derivatives for the numerical solution of orbital problems, AIP Conf. Proc., International Conference on Numerical Analysis and Applied Mathematics 2012, pp. 1399-1402.
7. D.F. Papadopoulos and T.E. Simos, A Modified RKN with Infinity Order of Phase-lag Derivative for the Numerical Integration of ODEs with Oscillating Solutions, AIP Conf. Proc., International Conference on Numerical Analysis and Applied Mathematics 2011, pp. 2033-2036.
8. D.F. Papadopoulos and T.E. Simos, A new Modified RKN Method by Using the Phase-lag Properties, AIP Conf. Proc., International Conference on Numerical Analysis and Applied Mathematics 2011, pp. 2037-2040.
9. D.F. Papadopoulos, Z.A. Anastassi, T.E. Simos, The Use of Phase-Lag and Amplification Error Integrators for the Numerical Solution of the Radial Schrödinger Equation, AIP Conf. Proc., International Conference on Numerical Analysis and Applied Mathematics 2010, pp. 1839-1842.
10. D.F. Papadopoulos, Z.A. Anastassi, T.E. Simos, The Use of Phase-Lag and Amplification Error Derivatives in the Numerical Integration of ODEs with Oscillating Solutions, AIP Conf. Proc., International Conference on Numerical Analysis and Applied Mathematics 2009, Vol. 1, pp. 547-549.
11. D.F. Papadopoulos, Z.A. Anastassi, T.E. Simos, A Modified Zero Dispersion and Zero Dissipation RKN Method for the Numerical Solution of the Radial Schrödinger Equation, AIP Conf. Proc., International Conference on Numerical Analysis and Applied Mathematics 2009, Vol. 2, pp. 1604-1607.
12. D.F. Papadopoulos, Z.A. Anastassi, T.E. Simos, A Zero Dispersion RKN Method for the Numerical Integration of Initial Value Problems with Oscillating Solutions, AIP Conf. Proc., International Conference on Numerical Analysis and Applied Mathematics 2009, Vol. 1, pp. 550-553.

C. Citations

*Πηγή: *Google scholar* (τελευταία ενημέρωση: Φεβρουάριος 2017)

Δείκτες παραθέσεων	Όλα	Από το 2012
Παραθέσεις	223	178
h-index	7	6
i10-index	6	6



Ενδεικτικές δημοσιεύσεις και παραθέσεις – αναφορές παρατίθενται στον ακόλουθο σύνδεσμο:
<http://scholar.google.gr/citations?user=CthH5ZwAAAAJ&hl=el>