Publication List

1 Journal papers

[1] **Q. Ding** and P. J. Y. Wong, Mid-knot cubic non-polynomial spline for a system of second-order boundary value problems, Boundary Value Problems 2018, Paper No. 156, 16 pp.

[2] **Q. Ding** and P. J. Y. Wong, A higher order numerical scheme for a generalized fractional diffusion equation, submitted to Applied Mathematics and Computation.

[3] **Q. Ding** and P. J. Y. Wong, A fourth order approximation for the generalized fractional derivatives and its applications, preprint.

[4] **Q. Ding** and P. J. Y. Wong, A higher order numerical scheme for solving fractional Bagley-Torvik equation, preprint.

[5] **Q. Ding** and P. J. Y. Wong, Quintic non-polynomial spline method for fractional nonlinear Schrödinger equation, preprint.

2 Conference papers

[1] **Q. Ding** and P. J. Y. Wong, Non-polynomial spline method for time-fractional nonlinear Schrödinger equation, Proceedings of the 15th International Conference on Control, Automation, Robotics and Vision, Singapore (2018).

[2] **Q. Ding** and P. J. Y. Wong, Numerical treatment of a system of second-order boundary value problems via mid-knot cubic non-polynomial spline, Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2018 (ICNAAM-2018), AIP Conference Proceedings, accepted.

[3] **Q. Ding** and P. J. Y. Wong, Numerical method for fractional Bagley-Torvik equation, Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2018 (ICNAAM-2018), AIP Conference Proceedings, accepted.

[4] **Q. Ding** and P. J. Y. Wong, An efficient numerical approach for a new generalized fractional diffusion equation, Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2018 (ICNAAM-2018), AIP Conference Proceedings, accepted.