

List of Publications

Journal Articles:

- **Xuhao Li** and Patricia Jia Yiing Wong, “A higher order non-polynomial spline method for fractional sub-diffusion problems,” *J. Comput. Phys.*, 328(2017), 46–65.
- **Xuhao Li** and Patricia Jia Yiing Wong, “An efficient numerical treatment of fourth-order fractional diffusion-wave problems,” *Numer. Methods Partial Differential Equations* (Accepted).
- **Xuhao Li** and Patricia Jia Yiing Wong, “A non-polynomial numerical scheme for fourth-order fractional diffusion-wave model,” *Applied Mathematics and Computation*(Accepted).
- **Xuhao Li** and Patricia Jia Yiing Wong, “An efficient non-polynomial spline method for distributed order fractional sub-diffusion equations,” *Mathematical Methods in the Applied Sciences* (Accepted)
- **Xuhao Li** and Patricia Jia Yiing Wong, “Numerical solutions of fourth-order fractional sub-diffusion problems via parametric quintic spline.” (Submitted)
- **Xuhao Li** and Patricia Jia Yiing Wong, “Non-polynomial spline approach in two-dimensional fractional sub-diffusion problems.” (Submitted)

Conference Papers:

- **Xuhao Li** and Patricia Jia Yiing Wong, “A new implicit numerical scheme for fractional sub-diffusion equation,” In *2016 14th International Conference on Control, Automation, Robotics and Vision (ICARCV)*, 2016, 1-6.
- **Xuhao Li** and Patricia Jia Yiing Wong, “Nonpolynomial numerical scheme for fourth-order fractional sub-diffusion equations,” *AIP conference Proceedings of ICNAAM 2016*.
- **Xuhao Li** and Patricia Jia Yiing Wong, “Numerical solution of fourth-order fractional diffusion wave model,” *ICNAAM 2017*(Accepted).
- **Xuhao Li** and Patricia Jia Yiing Wong, “High order approximation to new generalized fractional Caputo derivatives and its applications,” *ICNAAM 2017*(Accepted).

- **Xuhao Li** and Patricia Jia Yiing Wong, “Parametric quintic spline approach for two-dimensional fractional sub-diffusion equation,” *ICNAAM 2017*(Accepted).