

# Stanford

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## Yuwei Fan

Postdoctoral Research Fellow, Mathematics

### Bio

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Peking University (2016)
- Bachelor of Science, Peking University (2011)

#### STANFORD ADVISORS

- Lexing Ying, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **BCR-Net: A neural network based on the nonstandard wavelet form** *JOURNAL OF COMPUTATIONAL PHYSICS*  
Fan, Y., Bohorquez, C., Ying, L.  
2019; 384: 1–15
- **Fast algorithms for integral formulations of steady-state radiative transfer equation** *JOURNAL OF COMPUTATIONAL PHYSICS*  
Fan, Y., An, J., Ying, L.  
2019; 380: 191–211
- **AN ENTROPIC FOURIER METHOD FOR THE BOLTZMANN EQUATION** *SIAM JOURNAL ON SCIENTIFIC COMPUTING*  
Cai, Z., Fan, Y., Ying, L.  
2018; 40 (5): A2858–A2882