



Weikang Tang  
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**Address**  
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School of Physics  
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Dalian, Liaoning  
China

# Weikang Tang

## Ph. D. Candidate in Plasma Physics

### About me

#### My motto

*My life is a war against those evil forces who want to uniform my inhomogeneity.*

#### My page

[www.github.com/victowne](http://www.github.com/victowne)

### Interests

#### Professional

Gyrokinetic PIC simulation, MHD simulation, parallel computing with GPU, etc. In a word, coding.

#### Personal

Video games, basketball, cooking, badminton, singing, texas hold'em, etc. In a word, playing.

### Education

#### Present, Dalian University of Technology

Ph. D. Candidate in Plasma Physics

#### 2015, Dalian University of Technology

B.S. in Applied Physics

### Experience

#### Oct. 2019 - present, e-visiting student, University of Colorado at Boulder

I was supposed to be a visiting student at the CIPS of CU-Boulder under the supervision of Dr. Yang Chen. However, due to the pandemic of the COVID-19, we decided to turn this program into a mode of distant supervision. My work is to add the sonic level toroidal flow in the gyrokinetic electromagnetic code, GEM, and testify its accuracy. I don't know how to describe this magic experience, so I would like to call it a e-visiting student.

### Software Development Skills

#### Programming

- |           |              |          |
|-----------|--------------|----------|
| ○ Fortran | ○ Matlab     | ○ Python |
| ○ C++     | ○ OpenMP/MPI | ○ HDF5   |

### Awards

#### 2019, Visiting Scholar Scholarship, China Scholarship Council

Awarded to outstanding individuals to support their studies abroad.



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## Presentations

**2020, Oral, the 4<sup>th</sup> Asia-Pacific Conference on Plasma Physics, Online**  
"Control of neo-classical tearing mode by synergetic effects of RMP and ECCD in RMS tokamak plasmas"

**2019, Oral, the 11<sup>th</sup> International Conference on Computational Physics, Hangzhou**

"Control of neo-classical tearing modes by ECCD in tokamak plasmas"

**2019, Oral Invited, the 7<sup>th</sup> Conference on Magnetic Fusion Theory and Simulation, Wuhan**

"Control of neo-classical tearing mode by synergetic effects of RMP and ECCD"

## Publications

**2020, "Control of neoclassical tearing mode by synergetic effects of resonant magnetic perturbation and electron cyclotron current drive in reversed magnetic shear tokamak plasmas"**

**W. Tang, Z. X. Wang, L. Wei, J. Wang and S. Lu** *Nucl. Fusion* **60** 026015

**2019, "Effects of resonant magnetic perturbation on locked mode of neo-classical tearing mode"**

**W. Tang, L. Wei, Z. X. Wang, J. Wang, T. Liu and S. Zheng** *Plasma Sci. Technol.* **21** 065103