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Education:

2007.09-2010.12 Jilin University(College of Computer Science and Technology)

Ph.D.

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Research Interests:

- Astronomical Techniques and Methods
- Data Intensive Research
- Virtual Observatory Technology

Selected Publications:

- Wang, B.;Zhang, H*.;Nie, J.;Wang, J.;Ye, X.;Ergesh, T.;Zhang, M.;Li, J.; Wang, W. Multipopulation Genetic Algorithm Based on GPU for Solving TSP Problem , Mathematical Problems in Engineering.2020,<https://doi.org/10.1155/2020/1398595>
- Hailong Zhang, Markus Demleitner, Jie Wang, Na Wang, Jun Nie, and Jianping Yuan. The XinJiang Astronomical Observatory NSRT Pulsar Data Archive, Advances in Astronomy, vol. 2019. <https://doi.org/10.1155/2019/5712682>.
- Zhang H L , Zhang M , Wang J , et al. Jacobi parallel iteration algorithms based on MPI and Taurus high performance computing system[J]. Jilin Daxue Xuebao (Gongxueban)/Journal of Jilin University (Engineering and Technology Edition), 2019, 49(2):606-613.
- Tohtonur, Hai-Long Z , Jie W , et al. High speed median filtering algorithm based on graphics processing unit[J]. Journal of Jilin University(Engineering and

Technology Edition), 2019,49(03):979-985.

- Xincheng Ye, Hailong Zhang*, Yan Zhu, Jie Wang, Tohtonur Ergesh, Huijuan Li. Design and implementation of Xinjiang Astronomical Observatory Astronomical Data Transmission Visualization System. Advances in Astronomy, <https://doi.org/10.1155/2019/8741027>.
- Hailong Zhang, Jie Wang, Ke Tang, Xincheng Ye, Wanqiong Wang, Tohtonur, Yan Zhu, Meng Zhang. Taurus Online Job Submission System, IEEE SDPC 2018, 705-708.
- Tohtonur, Hailong Zhang*, Jie Wang, Xincheng Ye, Wanqiong Wang, Yan Zhu, Meng Zhang. High Performance Matched Filtering Algorithm Based on CUDA, IEEE SDPC 2018, 743-746.
- Hailong Zhang, Na Wang, Jianping Yuan, Jun Nie, Using the Xinjiang Astronomical Observatory Pulsar Data Archive, JART, 2016, 4(13):473-480.
- Zhang H, Nie J., Program performance test based on different computing environment[C]Online Analysis and Computing Science. IEEE, 2016:174-177.
- Zhang H, Nie J., Performance test of Taurus HPC system[C]Online Analysis and Computing Science. IEEE, 2016:185-188.