

Curriculum Vitae

JINGYU WANG

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Education Experience

Sep., 2016– **NORTHWESTERN POLYTECHNICAL UNIVERSITY**

Mar., 2019 **(a 985-Project and 211-Project sponsored university, top level in China)**

- Candidate for Master of Aircraft structure and airworthiness Technology in Mar. 2018, in School of Aeronautics.
- Thesis (in progress): Construction of Numerical Wave Tank Based on SPH Method and Simulation of Structure Sliding on it.
- GPA for postgraduate study: 89.78/100.

Sep., 2012– **NANJING UNIVERSITY OF AERONAUTICS AND ASTRONAUTICS**

Jul., 2016 **(a 985- platform and 211-Project sponsored university, top university in China)**

- Bachelor of Aircraft Design and Engineering
- Thesis: Finite Element Simulations of Monolayer Hexagonal Boron Nitride Under Ballistic Projectile Impact.
- GPA for undergraduate study: 86/100

Professional Skills

- Experienced user of programming language as C/C++, FORTRAN, etc.
- Experienced user of CUDA, MPI, etc.
- Good experience on FEM software, ABAQUS, LS-DYNA, etc.
- Good experience on modeling software CATIA.

Research & Project Experience

Jan., 2017– **Research on construction of numerical wave tank based on meshless method using parallel computing**
Present

- Constructing an efficient numerical wave tank using SPH method.(in CUDA C)
- Research on the influence of improved method of SPH, etc.

Jan., 2018– **Study on predicting the performance of hydroplane in wave environment**

- Mar., 2019
- Based on the numerical wave tank, research the solid-liquid boundary condition
 - Simulate the hydroplane sliding on the different wave condition. Obtain the curve of Pitching and heaving.

Scholarships & Honors

Sep., 2016– **Postgraduate Study Period**

- Mar., 2019
- Second Prize Graduated Scholarship of NPU twice.

Sep., 2012– **Undergraduate Study Period**

- Jul., 2016
- Second Prize Graduated Scholarship of NUAA. Third Prize Graduated Scholarship of NUAA third times
 - Excellent Student Cadre of NUAA.

Paper

- ✚ Construction of Two-dimensional SPH Numerical Wave Tank. Wang Jingyu, et al spheric 2017.
- ✚ Wang, L., Xu, F., Yang, Y., & Wang, J. (2018). A dynamic particle refinement strategy in smoothed particle hydrodynamics for fluid–structure interaction problems. Engineering Analysis with Boundary Elements.