

# Xinzhe Zhang

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## EDUCATION

- **M.S. Nankai University**, Tianjin, China Sept. 2023 - Jun. 2025  
*Optics*, GPA:93.46/100, adviser: *Jing Chen* (expected)
- **B.S. Nankai University**, Tianjin, China Sept. 2019 - Jun. 2023  
*Physics*, GPA:88.01/100

## RESEARCH INTERESTS

- Nanophotonics
- PT symmetric optics
- Nonlinear optics

## PUBLICATIONS

1. **ZHANG XZ**, LUO RZ, CHEN J. Revisit the Poynting vector in PT-symmetric coupled waveguides [J]. OPTICS EXPRESS, 2022, 30(21): 38753-63.[DOI]
2. WU LT, **ZHANG XZ**, LUO RZ, et al. Non-Hermitian guided modes and exceptional points using loss-free negative-index materials [J]. OPTICS EXPRESS, 2023, 31(9): 14109-18.[DOI]
3. **ZHANG XZ**, WU LT, LUO RZ, et al. Higher-order exceptional points using lossfree negative-index materials [J]. PHYSICA SCRIPTA, 2023, 98(9): 095511.[DOI]
4. WU LT, **ZHANG XZ**, GUO TJ, et al. Superluminality in parity-time symmetric Bragg gratings [J]. PHYSICA SCRIPTA, 2024, 99(8): 085544.[DOI]

## SKILLS

- **Programming Languages:** MATLAB, Python(numpy, pandas),  $\text{\LaTeX}$ , HTML
- **Softwares:** COMSOL, Git

## HONORS AND AWARDS

- **Scholarship of Public Interests and All-Round Capability** 2024  
*Granted by Nankai University*
- **National Scholarship** 2023  
*Top 1/130+, Granted by Nankai University*
- **National Encouragement scholarship** 2022  
*Granted by Nankai University*
- **National Encouragement scholarship** 2021  
*Granted by Nankai University*

## LANGUAGES

TOEFL: 90 (22 | 23 | 23 | 22)

GRE: 330 (161+169)