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TEACHING EXPERIENCE

Quantum Mechanics, 2009-now

Method of Mathematical Physics, 2008-now

Computational Physics, 2008-now

RESEARCH INTERESTS

Quantum optics, Electron transport theory, Gravitational collapse theory

EDUCATION BACKGROUND

Shandong University, 1994-1998, Bachelor

Institute of High Energy Physics, Chinese Academy of Science, 1998-2003, Doctor

EMPLOYMENT HISTORY

University of Science and Technology of China, Post doctor, 2003-2005

Southeast University, 2005-2007

Shandong University(Weihai), 2007-now

RESEARCH VISITS

Nanyang Technological University, 2010

Nanyang Technological University, 2012

SELECTED PUBLICATIONS (NASA ADS [link](#); Researchid [link](#); Google Scholar: [link](#)):

- (1) Chengbo Guan[#], Ning Wu, and Yang Zhao*, Optimization of exciton currents in photosynthetic systems, *J. Chem. Phys.* 138, 115102 (2013)
- (2) Bin Luo, Jun Ye, Chengbo Guan and Yang Zhao*, Validity of time-dependent trial states for the Holstein polaron, *Phys. Chem. Chem. Phys.*, 2010, 12, 15073–15084
- (3) Chang Zhe*, Guan Cheng-Bo, Huang Chao-Guang* and Li Xin, Gravitational collapse of a spherical star with heat flow as a possible energy mechanism of gamma-ray bursts, *Commun. Theor. Phys. (Beijing, China)* 50 (2008) pp. 271–274
- (4) Zhe Chang* and Shao-Xia Chen*, Cheng-Bo Guan* and Chao-Guang Huang*, Cosmic ray threshold in an asymptotically de Sitter spacetime, *Phys. Rev. D* 71, 103007 (2005)
- (5) Zhe Chang*, Cheng-Bo Guan*, Han-Ying Guo*, AdS dynamics for massive scalar field: exact solutions vs. bulk-boundary propagator, *International Journal of Modern Physics A*, Vol. 18, No. 9 (2003) 1657-1670