

Watcharawuth Krittinatham



Contact

Address:

Department of Physics,
School of Science, University of
Phayao,
19, District 2, Maeka, Muang,
Phayao 56000, Thailand

Email:

watcharawuth.kr@up.ac.th

ResearchGate:

[W Krittinatham](#)

Languages

Thai
English

Skill Highlights

- Computational Physics
- Computer Programming (C, Python, Mathematica and IDL)
- LaTeX Documentation
- Microsoft Office

Education

- Ph.D. (Physics), Mahidol University, Bangkok, Thailand, [2010]
- M.S. (Physics), Chiang Mai University, Chiang Mai, Thailand, [2005]
- B.S. (Physics), Chiang Mai University, Chiang Mai, Thailand, and [2003]

Research Field

- Space Plasma Physics and Space Weather
- Physics & Astrophysics Education

Teaching

Undergraduate Level Courses

- Mathematics for Physics (Major Core Course)
- Computational Physics (Major Elective Course)
- Astrophysics (Major Elective Course)
- Introductory to Astronomy (Major Elective Course)
- Physics I, II for Science and Engineering student

Publications in Refereed Journal

- P. Rittikoop, P. Woonoon and W. Krittinatham, "Physics Attitudes Survey of the University of Phayao 2018 Physics, Mathematics, and Engineer undergraduate students", The 11th Science Research Conference, Bangkok (2019)
- W.Krittinatham, and K. Kaewkong, "The Conceptual Understanding Survey of Undergraduate Physics Students and Pre-Service Physics Teacher Students about Twinkle Light from Celestial Objects", Journal of Science & Technology Ubon Ratchathani University Special Issue : December (2016)
- W. Krittinatham and K. Kaewkong, "A case study of high school students' Astrophysical-conception survey on the Kepler's second law of motions and Newtonian Mechanics in Phayao" Suranaree University of Technology Journal, Volume 22, No.2 (2015)
- W. Krittinatham and D. Ruffolo, "Drift Orbits of Energetic Particles in an Interplanetary Flux Rope," Astrophys. J., 704 (2009) 831-841.