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Research Interests

Arithmetic Dynamics, Number Theory, Geometric Optimization

Personal

Year of birth: 1979

Thai citizen

Education

Ph.D. Mathematics, University of Maryland, College Park, Maryland, USA, 2011

M.A. Mathematics, Chulalongkorn University, Thailand, 2005

B.S. Mathematics, Khon Kaen University, Thailand, 2003

Honor

Development and Promotion of Science and Technology Talents Project (DPST) Scholarship 1996–2010

Employment

Assistant Professor, Applied Mathematics Program, Science Division, Mahidol University International College, 2017-present

Lecturer, Applied Mathematics Program, Science Division, Mahidol University International College, 2013-2017

Lecturer, Department of Mathematics, Faculty of Science, Mahidol University, 2011–2013

Teaching Assistant, Department of Mathematics, University of Maryland, College Park, Maryland, USA, 2008-2011

Publications

1. (with Wacharin Wichiramala) Wetzel's sector covers unit arcs. <https://arxiv.org/abs/1907.07351>
To appear in *Period. Math. Hungar.*
2. (with Atsanon Wadsanthat) Distribution of cycle lengths of a quadratic map over finite fields of characteristic 2. *Fibonacci Quarterly*. **57** (2019), no. 1, 35–44.

3. (with Aram Tangboonduangjit) p -adic valuation of Lucas iteration sequences. *Fibonacci Quarterly*. **56** (2018), no. 4, 348 – 353.
4. (with Lawrence C. Washington) Real algebraic curves of constant width. *Period. Math. Hungar.* **74** (2017), no. 2, 235–244.
5. (with Aram Tangboonduangjit) On some arithmetic properties of a sequence related to the quotient of Fibonacci numbers. *Fibonacci Quarterly*. **55** (2017), no. 1, 21–28.
6. (with Pornrat Ruengrot) A Note on average of roots of unity. *American Mathematical Monthly*. **124** (2017), no. 2, 170–174.
7. Knowledge space theory and union-closed sets conjecture. *Songklanakarin Journal of Science and Technology*. **38** (2016) no.4, 449–451.
8. (With Aram Tangboonduangjit and Keng Wiboonton) Exact divisibility properties of some subsequences of Fibonacci numbers. *Fibonacci Quarterly*. **51** (2013) no.4, 307–318.
9. (With Lawrence C. Washington) Arithmetic dynamics and dynamical units, *East-West J. of Mathematics*. **14** (2012), 201–207.
10. (With John E. Wetzel and Wacharin Wichiramala) The broadest three-segment unit arc. *Period. Math. Hungar.* **55** (2007), no. 2, 157–168.
11. (With John E. Wetzel and Wacharin Wichiramala) Covering n -segment unit arcs is not sufficient. *Discrete Comput. Geom.* **37** (2007), no. 2, 297–299.