Tho Nguyen Xuan

School of Mathematics and Statistics, Arizona State University.
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Education

Ph.D. in Mathematics, Arizona State University *Defended, April 2019*
Bachelor of Science in Mathematics, Arizona State University *Dec 2012*
Honor: Cum Laude

Interests

Diophantine equations, Galois theory, cryptography, brain study, medicine, AI.

Work Experience

Teaching Assistant, Arizona State University *Fall 2014 to present*
Grading and tutoring students for various level mathematics courses: linear algebra, real analysis, number theory, abstract algebra, group theory, ring theory and cryptography.

Publication

- A. Bremner, T. N. Xuan, The equation $(w + x + y + z)(1/w + 1/x + 1/y + 1/z) = n$. International Journal of Number Theory, Vol. 14(2018), No. 05, 1-18.

- A. Bremner, T. N. Xuan, An interesting quartic surface, everywhere locally solvable, with cubic point but no global point. Publ. Math. Debrecen, Vol. 93/1-2(2018). 253-260.

Preprints

- With A. Bremner, The equation $y^2 = x^6 + k$, $k = -39$ or $k = -47$, 16 pages.
- With A. Bremner, The equation $\frac{x}{y} + \frac{py}{z} + \frac{z}{w} + \frac{pw}{x} = 8np$, 9 pages.
- With A. Bremner, Quartic curves over cubic number fields, 14 pages.

Awards and Honors

Graduate Student Research Award *Spring 2019*
Schools of Mathematical and Statistical Sciences, ASU
Summer Graduate Research Block Grant *Summer 2017*
Advisor: Professor Andrew Bremner
Dean Medal *Dec 2012*
Arizona State University
Charles Wexler Mathematics Prize *April 2012*
Arizona State University
MOET 322 Scholarship *Jan 2009-Dec 2012*
Vietnam Ministry of Education and Training.
Vietnamese National Mathematical Olympiad *2007*
First Prize
International Mathematical Olympiad *Jul 2006*
Silver Medal
Vietnamese National Mathematical Olympiad *2006*
Second Prize

Skills

Latex, Magma

Languages

Vietnamese, English