CURRICULUM VITAE

Personal Data

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Education

Ph.D. (Math.) The Pennsylvania State University, U.S.A., December 1984.

M.S. (Math.) Chulalongkorn University, Bangkok, Thailand, March 1976.

B.S. (Math.)(Hons.) Chulalongkorn University, Bangkok, Thailand, March 1974.

Scholarships and Awards

Scholarship from Chulalongkorn University, 1979 – 1984.

Scholarship from Thai Government under the University Development Commission (U.D.C.), 1975 – 1976.

Academic Activities

Committee member of the Mathematical Association of Thailand, 1994 –

The leader for the Thai International Mathematical Olympiad team, 1995, 2000 and 2001.

The deputy leader for the Thai International Mathematical Olympiad team, 1992, 1994, 1996, 1999, 2002.

Teaching Experience

Associate Professor of the Mathematics Department, Faculty of Science, Chulalongkorn University, 2005 –

Assistant Professor of the Mathematics Department, Faculty of Science, Chulalongkorn University, 1987 – 2005.

Lecturer of the Mathematics Department, Faculty of Science, Chulalongkorn University, 1977 – 1979.

Lecturer for Calculus for Business I, BBA (International) program Chulalongkorn University, 1998, 2000 –

Lecturer for Mathematics I, EBA (International) program Chulalongkorn University, 2002 –

Coaching Staff for the Thai International Mathematical Olympiad team, 1990 – 2004.

Teaching Assistant, The Pennsylvania State University, 1981 - 1984

Research Interests

Algebra

Transformation Semigroups

Syntactic monoids of prefix codes

Arithmetric Functions, Functional Equations

University Service

Member of the Research Affairs Committee, Faculty of Science, 2005 –

Member of the Acadamic Affairs Committee, Faculty of Science, 2001 –

Books

Abstract Algebra (in Thai), 1987.

Principles of Mathematics (in Thai), 1998.

Real Analysis (in Thai), 2003.

Theory of Numbers (in Thai), 2003.

Functional Equations (in Thai), 2004.

Publications

1. P. Ruangsinsap, V. Laohakosol, **P. Udomkavanich**, 2001, Arithmetic Functions over Rings with Zero Divisors", *Bull. Malaysian Math. Sc. Soc.* (Second Series) Vol. 24, No 1., 2001.

2. Khajee Jantarakhajorn, **Pattanee Udomkavanich**, Subgroups of Syntactic Monoids of Finite Inverse Biprefic Codes, *Proceedings of the Annual Meetings in Mathematic 2001*, pp. 90-98.

3. Ouamporn Phuksuwan, **Patanee Udomkavanich**, 2003, An Analysis of Ritt's Factorization for Exponential Sums" *East-West J. Math.2004*, Special Vol , pp. 61-72.

4. Pichat Jitjankarn, **Patanee Udomkavanich**, 2004, Regularity of Some Regressive Transformation Semigroup, *East-West J. Math.2004*, Special Vol , 111-118.

5. **Patanee Udomkavanich**, Pichat Jitjankarn, 2005, Isomorphism Theorems of Regressive Partial Transformation Semigroups, *Italian Journal of Pure and Applied Mathematics*, No.18, pp. 207-212.

6. **P. Udomkavanich**, Pichat Jitjankarn, 2005, Some Isomorphism Theorems on Regressive Transformation Semigroups, *The Southeast Asian Bulletin of Mathematics* Vol. 28.

7. Pichat Jitjankarn, **Patanee Udomkavanich**, On Eventually Regular Regressive Transformation Semigroups, *Thai Journal of Mathematics*, Special Issue, pp.15-21.

8. Pattira Ruengsinsub, Vichian Laohakosol, and **Patanee Udomkavanich**, 2005, Observations about Algebraic Dependence of Dirichlet Series, *Journal of Korean Mathematics Society*, Vol. 42, No. 4, pp. 695-708.