

数理科学系の優れた研究

応用数理分野 宇野 剛史准教授の研究は、曖昧性を数学として取り扱っています。相反する要求に対する妥協点, 答えの出ない問題, これを数学的に扱うと言う画期的なものです。応用範囲が広く是非とも関心を持ってほしいと思っています。以下、宇野准教授の研究の一部を紹介します。

Excellent research celebrated

Professor Takeshi Uno, Math Division in Tokushima University

Professor Uno, Tokushima University, he is quite active in many research fields, for example multiobjective programming problems (MOPP), defensive location problem (DLP), a gene ontology-based microarray gene expression data analysis, etc. They are not studied in usual mathematics.

As you know, it is quite hard to consider about "Uncertainty" in mathematics.

Professor Uno considers a random fuzzy variable which is a variable whose value is a fuzzy number i.e. values only vaguely defined.

By using this notions, he can consider so many ambiguous concepts as mathematics. Here is his researches. We are proud to introduce to his researches.

Part of Prof. Uno's researches:

<http://www.sciencedirect.com/science/article/pii/S0957417412009207>

<http://link.springer.com/article/10.1007/s13042-012-0126-4#page-1>

<http://www.sciencedirect.com/science/article/pii/S0377221707003906>

https://www.researchgate.net/profile/Kosuke_Kato3/publication/228424423_A_Competitive_Facility_Location_Problem_on_a_Network_with_Fuzzy_Random_Weights/links/0f31753715c68a541d000000.pdf

http://www.iaeng.org/IJAM/issues_v40/issue_3/IJAM_40_3_07.pdf

<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.3510583>

More precise list, please look at the following:

<http://www-math.ias.tokushima-u.ac.jp/~uno/jlist.html>