The Graded Method in Propositional Logic

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Date: 30 March 2011 (Wednesday)
Time: 2.30 pm – 3.30 pm
Venue: MAS Executive Classroom 2, MAS-03-07
School of Physical and Mathematical Sciences

We introduce the proposition induced functions and define the truth degrees of propositions, by means of infinite product of evenly distributed probability spaces and integrated semantics, respectively for discrete and continuous cases. Next, a graded approximate reasoning theory is established. Finally, the consistency degrees of finite theories, is also proposed.

Speaker Biography

Professor Wang Guojun is a Professor of Shaanxi Normal University. He is a Mathematician working on topology and mathematical logic. He has supervised over 50 PhD/Master students and authored/coauthored five monographs/books and over one hundred and fifty journal papers. Professor Wang was the president of Shaanxi Normal University from 1987 to 1994.

Host: Prof. Wu Guohua, Division of Mathematical Sciences, School of Physical and Mathematical Sciences