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**James Kuodo Huang\*** (james@citwww.com), P. O. Box 3355, Alhambra, CA 91803. *Toward A Hilbert's Perfect Axiomatic Mathematical Model*. Preliminary report.

(Contributed by non current AMS member James Kuodo Huang who was a formal AMS member. Introduced By a current AMS member Professor R. Daniel Mauldin, University of North Texas)

The 23 Hilbert's problems are a set of (originally) unsolved problems in mathematics proposed by a great German mathematician David Hilbert in the turn of 20th century; ten of them were actually presented at the Second International Congress of mathematician in Paris on August 8, 1900. In this lecture his insisting on the requirement of a complete mathematical theory is not only to be clearly and easily understood by a common person but also has to be perfect and complete. The second Hilbert's problem was answered negatively by Kurt Godel's Incompleteness Theorem. What are Hilbert's perfect and complete Axiomatic Mathematical models? In this article we propose a new axiomatic mathematical logic called Hopefully Hilbert's Complete Perfect (HCP) Logic. The HCP logic is a three-valued logic starting with three undefined atoms T (True), U (Uncertain), F (false). It is shown that any consistent classical mathematical theory based on two-valued logic can be embedded into a complete mathematical theory based on HCP logic, where the completeness is in the sense of Godel's completeness. (Received February 03, 2006)