

THE UNIVERSITY



OF HONG KONG

Institute of Mathematical Research

Department of Mathematics

COLLOQUIUM

‘Algorithmic mathematics’ and ‘dialectic mathematics’ : The ‘Yin’ and ‘Yang’ in mathematics education

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Abstract

This talk was delivered in July as a plenary talk at the 2nd International Conference On the Teaching of Undergraduate Mathematics held in Crete. I borrow the two terms ‘algorithmic mathematics’ and ‘dialectic mathematics’ from a 1973 talk by Peter Henrici and attempt to synthesize the two aspects from a pedagogical viewpoint with illustrative examples gleaned from mathematical development in Eastern and western cultures throughout history.

Date: September 13, 2002 (Friday)

Time: 3:00 – 4:00pm

Place: Room 517, Meng Wah Complex

Tea will be held in Room 516, Meng Wah Complex after the lecture, at 4:00pm

All are welcome