



**The Hong Kong Polytechnic University
Department of Applied Mathematics**

**Seminar
On**

**An Extended Version of Measure of Separability and
its Applications**

by

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Abstract

The measure of class separability has been used for image thresholding. We propose an extended version of this measure and demonstrate its uses. One application is to automate a breast border detection algorithm. This algorithm requires testing of several polynomials and choosing one which gives the best result by inspection. We use the proposed measure to select the best segmentation result objectively. (This joint work was led by Assistant Professor Edward Choy and assistance from Associate Professor Xian Zhou).

Date : 7 March, 2008 (Friday)
Time : 3:00 – 4:30 p.m.
**Venue : Departmental Conference Room HJ610
The Hong Kong Polytechnic University**

*** * * ALL ARE WELCOME * * ***