

CALIFORNIA STATE UNIVERSITY, LONG BEACH

THE MATHEMATICS COLLOQUIUM

Presents

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Speaking on

Length Spectra of Natural Numbers

Friday, April 24, 2009

12:00noon – 1:00PM

FO3-200A

Abstract: A decomposition of a number n is a sequence of consecutive integers that sums to n . The set of lengths of the decompositions of a number is called its length spectrum. I will talk about a few surprising results involving this concept. If time allows, we will play some games along the way (so bring pencil and paper). Basics arithmetics is all you need to for this talk.