

# Tsing Hua Number Theory Seminar

講題     Sets of linear forms of maximal complexity

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時間     2023.6.9 (Fri.) 9:00 – 10:00

地點     Room 723, General Building III

## Abstract

For  $m \leq n$ , we give an explicit description of sets of  $m$  linear forms in  $n$  variables over the field of rational numbers whose computation requires  $m(n - 1)$  additions. In our construction the coefficients have length exponential in  $n$ . By a counting argument we show the existence of such a set with entries of length polynomial in  $n$ . This is a joint work with M. Kaminski and I. E. Shparlinski.

\*歡迎參加，敬請張貼\*

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