



THE UNIVERSITY OF  
CHICAGO

Department of Statistics

MASTER'S THESIS PRESENTATION

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LUYI ZHOU

Department of Statistics  
The University of Chicago

Chebyshev and Jacobi Acceleration

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Jones 226, 5747 S. Ellis Avenue

#### ABSTRACT

This paper is a summary of an application of Chebyshev polynomial and Jacobi polynomial in optimization, we will start from the introduction of the polynomial and its property. Then use it to solve real problem. The paper will show why these two polynomials are good in here and how we derive them.