

Research Report(2005)

Chunping Xie

Department of Mathematics

Since I got the Faculty Research Grant in last year, I have made some progress in my research toward my goal stated in my last year's proposal. First I have considered the commutators of two important operators, maximal operator and sharp operator on Morrey spaces and found that the commutators are bounded on Morrey spaces. Then I gave a talk about these results I got on the SEAM XXI at the Washington and Lee University in Lexington, VA in April, 2005. Now I am still working on this paper and trying to do some necessary changes and corrections so that I can get this paper published at the end of this year or the beginning of the next year. After this work I am going to consider another problem in this area in the coming year.