Sudan University of Science & Technology College of Science Department of Math

THE ADOMIAN DECOMPOSITION METHOD AND MODIFIED DECOMPOSITION FOR SOLVING BOUNDARY VALUE PROBLEMS

 $\mathbf{B}\mathbf{y}$

Mogtaba Ahmed Yousif Supervised by Lajimi ben Amor ben Belgacem Lajimi

A thesis submitted for a partial fulfillment degree of Msc in mathematics

2008