Sudan University of Science and Technology
College of Graduate Studies

Spectral Bounds and Stability Estimates for Dirichlet and Neumann Laplacian with Lebesque Classes

حديات الطيف وتقديرات الاستقرار للابلاسية ديرشلت ونيومان طبقا لعائلات لبيق

A Thesis Submitted in Fulfillment of the Requirements for the Degree Of PH.D in Mathematics

By:
Aba Sufyan Mosnad Mohammeddeen

Supervisor:
Prof. Shawgy Hussein Abd Alla

November 2015