Application of Dependence Analysis and Runtime Data Flow Graph Scheduling to Matrix Computations

by

Ernie W. Chan, B.S; M.S.

Dissertation

Presented to the Faculty of the Graduate School of

The University of Texas at Austin

in Partial Fulfillment

of the Requirements

for the Degree of

Doctor of Philosophy

The University of Texas at Austin

August 2010

SuperMatrix

Ernie Chan, Ph.D.

Department of Computer Science

The University of Texas at Austin