To the Graduate Council:

I am submitting herewith a dissertation written by Joshua R. New entitled "Visual Analytics for Relationships in Scientific Data". I have examined the final electronic copy of this dissertation for form and content and recommend that it be accepted in partial fulfillment of the requirements for the degree of Doctor of Philosophy, with a major in Computer Science.

Dr. Jian Huang, PhD Advisor

We have read this dissertation and recommend its acceptance:

Dr. Elissa Chesler

Dr. Michael Langston

Dr. Lynne Parker

Accepted for the Council:

Carolyn R. Hodges, Vice Provost and Dean of the Graduate School

Carolyn R. Frages

(Original signatures are on file with official student records.)