

University of Toronto

This is to certify that

Jonathan Richard Dixon Kuhn

has fulfilled the requirements of the University of Toronto and has been admitted under the authority of the Governing Council of the University of Toronto to the degree of

Doctor of Philosophy

In witness whereof we have hereto subscribed our names and affixed the academic seal of the University

NOVEMBER 24, 1994

TRobet S. Prichard

PRESIDENT

John Is. Dummel

SECRETARY OF THE GOVERNING COUNCIL

In S Cohen

DEAN OF THE SCHOOL OF GRADUATE STUDIES