

UNIVERSITY OF CALIFORNIA, BERKELEY

Major Research Presentation

Parallel

by

Junyi Tang

For the Ph.D. degree in Computer Science

The emerging field of Topological Data Analysis (TDA) and its application in homology. The power of TDA lies in its multiscaling analysis of data, which is robust in the presence of noise. This dissertation contributes to the field in three ways: 1) the development of new algorithms for the computation of persistent homology, 2) the ongoing work on persistent pairing and its applications and 3) future research directions.

April 23, 2018

11:30AM - 12:30PM

ENR 227

THE PUBLIC IS INVITED

Examining Committee

Les

Yi Ma, Ph.D.

Zhuc Lu, Ph.D.

Dmytro Savitskiy, Ph.D.

Major Research Presentation
Graduate Program Director

Department Chair

College of Engineering

College of Engineering

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