FLORIDA STATE UNIVERSITY

COLLEGE OF ARTS AND SCIENCES

TOPOLOGICAL DATA ANALYSIS FOR MEDICAL IMAGING AND RNA DATA ANALYSIS ON TREE SPACES

By

CHEN SHEN

A Dissertation submitted to the Department of Statistics in partial fulfillment of the requirements for the degree of Doctor of Philosophy

2021

Chen Shen defended this dissertation on March 10, 2021. The members of the supervisory committee were:	
Vic	ctor Patrangenaru
Pro	ofessor Directing Dissertation
V.	•
	uwen Liu
Un	iversity Representative
Jon	nathan Bradley
Co	mmittee Member
	ao Huang
Co	mmittee Member
The Graduate School has verified and approved the above-named committee members, and certifies that the dissertation has been approved in accordance with university requirements.	