FLORIDA STATE UNIVERSITY COLLEGE OF ARTS AND SCIENCES

$\label{eq:continuous} \mbox{UNIVERSAL MAPPINGS}$ AND THE METRIC GEOMETRY OF FUNCTIONAL DATA

By

SOHEIL ANBOUHI

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

2022

Soheil Anbouhi defended this dissertation on June 24, 2022. The members of the supervisory committee were: Washington Mio Professor Directing Dissertation Bryan Quaife University Representative Paolo Aluffi Committee Member Wolfgang Heil Committee Member Thomas Needham Committee Member Victor Patrangenaru Committee 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.