

# Signatures and Dynamics of Compact Binary Coalescences and a Search in LIGO's S5 Data

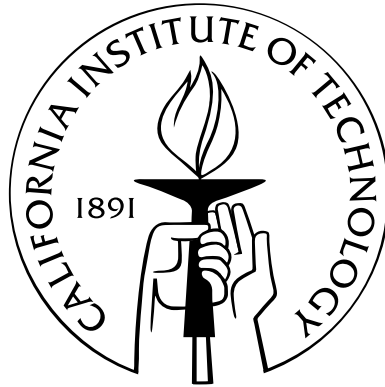
Thesis by

Drew Garvin Keppel

In Partial Fulfillment of the Requirements

for the Degree of

Doctor of Philosophy



California Institute of Technology

Pasadena, California

2009

(Defended April 20, 2009)

© 2009

Drew Garvin Keppel

All Rights Reserved

To my everloving wife, Lisa