

SUPERCritical AND SUBCRITICAL PITCHFORK BIFURCATIONS IN A
BUCKLING PROBLEM FOR A GRAPHENE SHEET BETWEEN 2 RIGID
SUBSTRATES

Jake Matthew Grdadolnik

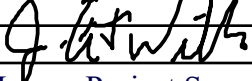
Department of Mathematics

Honors Research Project

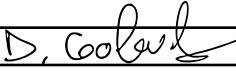
Submitted to

*The Williams Honors College
The University of Akron*

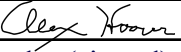
Approved:

 Date: 4/15/21
Honors Project Sponsor (signed)

J. Pat Wilber
Honors Project Sponsor (printed)

 Date: 06/14/21
Reader (signed)

Dmitry Golovaty
Reader (printed)

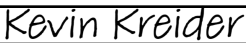
 Date: 04/14/21
Reader (signed)

Alexander Hoover
Reader (printed)

Accepted:

 Date: 4/15/21
Honors Department Advisor (signed)

Curtis B. Clemons
Honors Department Advisor (printed)

 Date: 4/15/21
Department Chair (signed)

Dr Kevin Kreider, Mathematics
Department Chair (printed)