



THE UNIVERSITY OF  
**CHICAGO**

COMPUTATIONAL AND APPLIED MATHEMATICS COLLOQUIUM

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**DANIEL MASSATT**

CCAM William H. Kruskal Instructor

Multiscale Topological Invariants of Floquet  
Topological Insulators

THURSDAY, November 5, 2020, at 5:30 pm  
via ZOOM

ABSTRACT

We find and quantify approximate edge topologies for Floquet Topological Insulators (FTIs) including laser induced graphene along with a high-frequency and amplitude dirac model. A boundary is created by changing the drive polarization across the boundary. In the graphene case, we obtain a sequence of topologies that operate on different time scales. In the latter case of the high frequency and amplitude dirac models, we obtain an approximate topology for not too long of times.

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For further information and inquiries, please email Zellencia Harris at [zellenciah@uchicago.edu](mailto:zellenciah@uchicago.edu). If you wish to subscribe to our listserv, please visit the following website:

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