BI-CO MATHEMATICS COLLOQUIUM

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"Barcode Decorated Merge Trees"

Monday, November 7, 2022
Talk at 4:00 – Hilles 109
Tea 3:30 – Foyer outside of H109

Zoom Link:
https://haverford.zoom.us/j/97942185055?pwd=MVdqcGdNK2M3MGdTa0J1N2FnUHJsZz09
Password: TDA

Abstract:

Abstract: In this talk, I am going to introduce two main tools of Topological Data Analysis: persistence barcodes and merge trees. Both of them are tools to analyze geometric data by keeping track of topological changes along a family of spaces obtained from the data. Then, I will discuss a recent construction combining both, called Barcode Decorated Merge Trees. Joint work with J. Curry, H. Hang, T. Needham and W. Mio.

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