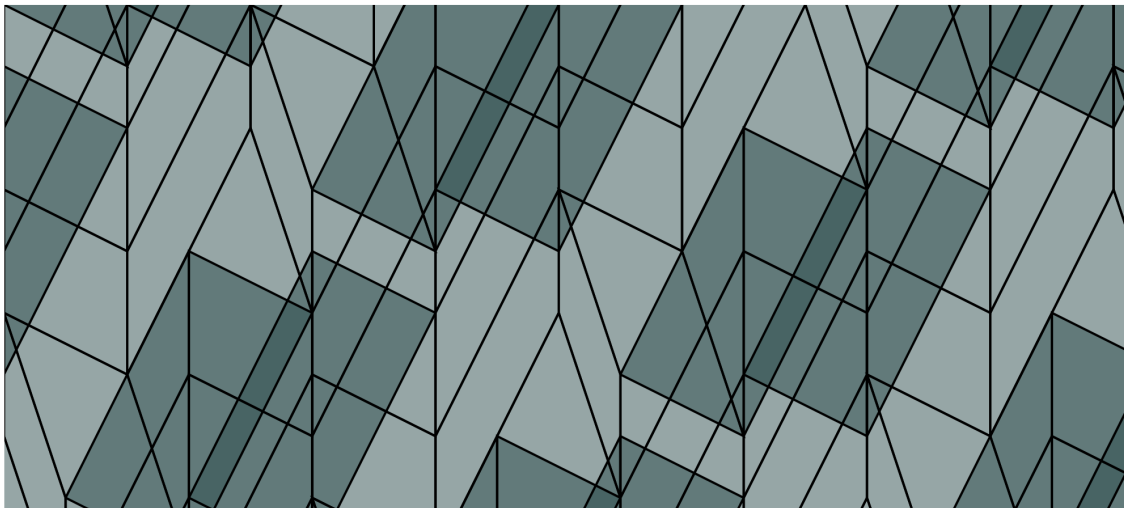# Integer Cokernels and Fragmented Tilings

Dr. Alex McDonough

Krener Assistant Professor, UC Davis

The talk will begin with a brief discussion of integer cokernels and their relationship to periodic parallelepiped tilings. Then, we will explore how the parallelepiped can be fragmented to form more complicated tilings. Depending on the structure of the parallelepiped, these may be traditional tilings or signed tilings. Handouts and colored pencils will be provided so that talk attendees can bring home their own fragmented tilings! This talk is partially based on joint work with Joseph Doolittle.

October 12, 2023   4:00 PM
Thursday   BSS 166

FOR MORE INFO GO TO HTTPS://MATH.HUMBOLDT.EDU/GET-INVOLVED/MATHEMATICS-COLLOQUIUM

WE CORDIALLY INVITE YOU TO THE PRE-COLLOQUIUM TEA IN BSS 312
AT 3:30 PM