

Counterexamples for chromatic and dichromatic number

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Zoom meeting ID: 843 0428 2616 Password: 121323

Link: <https://zoom.us/j/84304282616>

Abstract:

I will present a counterexample to the following well-known conjecture: for every k, r , every graph G with clique number at most k and sufficiently large chromatic number contains a triangle-free induced subgraph with chromatic number at least r . This is related to colouring and chi-boundedness in digraphs.

Joint work with Alvaro Carbonero, Patrick Hompe, and Benjamin Moore.