A NOTE ON A BROKEN-CYCLE THEOREM FOR HYPERGRAPHS

MARTIN TRINKS

Hochschule Mittweida, University of Applied Sciences
Faculty Mathematics / Sciences / Computer Science
Technikumplatz 17, 09648 Mittweida, Germany

e-mail: trinks@hs-mittweida.de

Abstract
Whitney’s Broken-cycle Theorem states the chromatic polynomial of a graph as a sum over special edge subsets. We give a definition of cycles in hypergraphs that preserves the statement of the theorem there.

Keywords: Broken-cycle Theorem, hypergraphs, cycles, chromatic polynomial, graph polynomials.

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References
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