

ON THE DIRECTED CYCLE DOUBLE COVER CONJECTURE

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Given a graph G , let $D(G)$ denote the direct graph obtained from G by replacing each edge of G by a pair of arcs oppositely directed. The famous directed cycle double cover conjecture, formulated by Jaeger, asserts that if G is a graph without bridges, then the set of arcs of $D(G)$ can be partitioned into directed cycles. In this talk we discuss our recent progress towards a proof of Jaeger's conjecture.

Joint work with Martin Loeb (Charles University, Czech Republic).