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Rainbow cycles in colored graphs

For a vertex v in a graph G let $d^c(v)$ denote the number of distinct colors used on the edges incident to v , and let $\delta^c(G)$ denote the minimum of $d^c(v)$. We will give tight conditions for $\delta^c(G)$ which guarantee existence of even and odd rainbow cycles of any fixed length in G . This is a joint work with T. Molla, B. Nagle, and R. Oursler.