

# On $(n,k)$ -critical graphs and digraphs

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A graph or digraph  $G$  is  $(n, k)$ -critical, if the connectivity number of  $G - S$  is equal to  $n - |S|$  for every  $S \subseteq V(G)$  with  $|S| \leq k$ . We give a survey on solved and unsolved problems on  $(n, k)$ -critical graphs and digraphs and on related questions.