

# Cliques in graphs with given matching number

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Given graphs  $H$  and  $T$ , the generalized Turan number  $ex(n, T, H)$  is the maximum possible number of copies of  $T$  in an  $n$ -vertex  $H$ -free graph. This notion has received a lot of attention recently. Answering a question posed by Furedi, Kostochka, and Luo, we determine the value of  $ex(n, K_s, kK_2)$ . Moreover, we establish stability versions of this result specialized to edges. Joint work with Xiujuan Duan, Bo Ning, Jian Wang, and Weihua Yang,