



## CONTRACTIBLE SUBGRAPHS AND FORBIDDEN INDUCED SUBGRAPHS

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Ryjáček introduced a closure concept in the class of claw-free graphs based on local completion of a locally connected vertex. Brousek et al. studied the stability of some classes of claw-free graphs defined in terms of forbidden subgraphs under the closure and characterized all connected graphs  $A$  such that the class of all  $(K_{1,3}, A)$ -free graphs is stable.

In 2003 Ryjáček and Schelp introduced a closure concept in the class of line graphs based on contractibility of certain subgraphs in the line graph preimage and showed that the closure can be considered as a generalization of the closure concept based on local completion. We study an analogical problem under the generalized closure and prove a characterization theorem.