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*An infinite family of  $k$ -critical  $(2P_3, K_{k-1})$ -free graphs for each  $k \geq 5$*

In 2020, Chudnovsky, Goedgebeur, Schaudt, and Zhong showed that there are only finitely many 4-critical  $H$ -free graphs if and only if  $H$  is an induced subgraph of  $P_6$ ,  $2P_3$ , or  $P_4 + \ell P_1$  for some natural number  $\ell$ . This led to substantial efforts to classify which of these induced subgraphs can be forbidden to leave only finitely many  $k$ -critical graphs for every  $k \geq 4$ . Much of this work has focused on subfamilies of  $P_6$ -free graphs, with some more very recent attention on subfamilies of  $(P_4 + \ell P_1)$ -free graphs. However, very little has been done on subfamilies of  $2P_3$ -free graphs. In this talk, we will construct an infinite family of  $k$ -critical  $(2P_3, K_{k-1})$ -free graphs for each  $k \geq 5$ .

(This is joint work with Iain Beaton)