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Douglas Bauer, Linda Lesniak* (linda.lesniak@wmich.edu), **Aori Nevo** and **Edward Schmeichel**. *On the necessity of Chvátal's hamiltonian degree condition.*

In 1972 Chvátal gave a well-known sufficient condition for a graphical sequence to be forcibly hamiltonian, and showed that in some sense his condition is best possible. In this paper, we conjecture that with probability 1 as $n \rightarrow \infty$, Chvátal's sufficient condition is also necessary. In contrast, we essentially prove that for every $k \geq 1$, the sufficient condition of Bondy and Boesch for forcible k -connectedness is not necessary in the same way. (Received January 11, 2021)